

A.2 Peak to Average Ratio

Note 1: For average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB. For GSM, GPRS and EGPRS, there are peak power to demonstrate compliance, PAR measurements are not required.

Note 2: Test plots please refer to the document “Annex No.: BL-EC21C0857-501 Data Part 1.pdf”.

EVDO Mode Test Data

Test Band	Test Channel	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
EVDO BC0	LCH	4.22	13	1.1	Pass
	MCH	4.27	13	2.1	Pass
	HCH	4.27	13	3.1	Pass

WCDMA Mode Test Data

Test Band	Test Channel	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
Band 2	LCH	2.95	13	4.1	Pass
	MCH	2.95	13	4.2	Pass
	HCH	3	13	4.3	Pass
Band 4	LCH	2.86	13	5.1	Pass
	MCH	2.86	13	5.2	Pass
	HCH	2.86	13	5.3	Pass
Band 5	LCH	2.86	13	6.1	Pass
	MCH	2.86	13	6.2	Pass
	HCH	2.95	13	6.3	Pass

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	3.42	13	7.1	Pass
				RB100#0	5.06	13	7.2	Pass
			16-QAM	RB1#0	4.5	13	7.3	Pass
				RB100#0	5.95	13	7.4	Pass
		MCH	QPSK	RB1#0	3.7	13	7.5	Pass
				RB100#0	5.06	13	7.6	Pass
			16-QAM	RB1#0	4.59	13	7.7	Pass
				RB100#0	6	13	7.8	Pass
		HCH	QPSK	RB1#0	3.66	13	7.9	Pass
				RB100#0	4.97	13	7.10	Pass
			16-QAM	RB1#0	4.69	13	7.11	Pass
				RB100#0	5.86	13	7.12	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	3.52	13	8.1	Pass
				RB100#0	4.97	13	8.2	Pass
			16-QAM	RB1#0	4.27	13	8.3	Pass
				RB100#0	5.77	13	8.4	Pass
		MCH	QPSK	RB1#0	3.19	13	8.5	Pass
				RB100#0	5.11	13	8.6	Pass
			16-QAM	RB1#0	4.55	13	8.7	Pass
				RB100#0	5.91	13	8.8	Pass
		HCH	QPSK	RB1#0	3.52	13	8.9	Pass
				RB100#0	5.2	13	8.10	Pass
			16-QAM	RB1#0	4.5	13	8.11	Pass
				RB100#0	6.05	13	8.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	3.47	13	9.1	Pass
				RB50#0	5.2	13	9.2	Pass
			16-QAM	RB1#0	5.34	13	9.3	Pass
				RB50#0	6	13	9.4	Pass
		MCH	QPSK	RB1#0	3.61	13	9.5	Pass
				RB50#0	5.25	13	9.6	Pass
			16-QAM	RB1#0	5.39	13	9.7	Pass
				RB50#0	6	13	9.8	Pass
		HCH	QPSK	RB1#0	3.37	13	9.9	Pass
				RB50#0	5.16	13	9.10	Pass
			16-QAM	RB1#0	5.25	13	9.11	Pass
				RB50#0	6	13	9.12	Pass
LTE	20 MHz	LCH	QPSK	RB1#0	3.37	13	10.1	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		
Band 7			16-QAM	RB100#0	5.16	13	10.2	Pass		
				RB1#0	4.36	13	10.3	Pass		
				RB100#0	6	13	10.4	Pass		
		MCH	QPSK	RB1#0	3.47	13	10.5	Pass		
				RB100#0	5.25	13	10.6	Pass		
			16-QAM	RB1#0	5.44	13	10.7	Pass		
				RB100#0	6	13	10.8	Pass		
			HCH	QPSK	RB1#0	3.28	13	10.9	Pass	
					RB100#0	5.3	13	10.10	Pass	
		16-QAM		RB1#0	5.2	13	10.11	Pass		
						RB100#0	6	13	10.12	Pass
		LTE Band 12	10 MHz	LCH	QPSK	RB1#0	3.61	13	11.1	Pass
RB50#0	5.25					13	11.2	Pass		
16-QAM	RB1#0				5.39	13	11.3	Pass		
	RB50#0				5.95	13	11.4	Pass		
MCH	QPSK			RB1#0	3.42	13	11.5	Pass		
				RB50#0	5.3	13	11.6	Pass		
	16-QAM			RB1#0	5.34	13	11.7	Pass		
				RB50#0	6	13	11.8	Pass		
HCH	QPSK			RB1#0	3.47	13	11.9	Pass		
				RB50#0	5.11	13	11.10	Pass		
	16-QAM			RB1#0	5.39	13	11.11	Pass		
				RB50#0	5.91	13	11.12	Pass		
LTE Band 17	10 MHz	LCH	QPSK	RB1#0	3.28	13	12.1	Pass		
				RB50#0	4.83	13	12.2	Pass		
			16-QAM	RB1#0	4.08	13	12.3	Pass		
				RB50#0	5.77	13	12.4	Pass		
		MCH	QPSK	RB1#0	3.28	13	12.5	Pass		
				RB50#0	4.87	13	12.6	Pass		
			16-QAM	RB1#0	4.12	13	12.7	Pass		
				RB50#0	5.77	13	12.8	Pass		
		HCH	QPSK	RB1#0	3.37	13	12.9	Pass		
				RB50#0	4.87	13	12.10	Pass		
			16-QAM	RB1#0	4.27	13	12.11	Pass		
				RB50#0	5.72	13	12.12	Pass		
LTE Band 26 (Part22)	15 MHz	LCH	QPSK	RB1#0	3.42	13	13.1	Pass		
				RB75#0	5.39	13	13.2	Pass		
			16-QAM	RB1#0	5.3	13	13.3	Pass		
				RB75#0	6	13	13.4	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
		MCH	QPSK	RB1#0	3.47	13	13.5	Pass
				RB75#0	5.44	13	13.6	Pass
			16-QAM	RB1#0	5.39	13	13.7	Pass
				RB75#0	6.09	13	13.8	Pass
		HCH	QPSK	RB1#0	3.37	13	13.9	Pass
				RB75#0	5.34	13	13.10	Pass
			16-QAM	RB1#0	5.06	13	13.11	Pass
				RB75#0	6.05	13	13.12	Pass
LTE Band 26 (Part90)	10 MHz	MCH	QPSK	RB1#0	3.47	13	14.1	Pass
				RB50#0	5.16	13	14.2	Pass
			16-QAM	RB1#0	4.83	13	14.3	Pass
				RB50#0	5.95	13	14.4	Pass
LTE Band 38	20 MHz	LCH	QPSK	RB1#0	7.41	13	15.1	Pass
				RB100#0	8.81	13	15.2	Pass
			16-QAM	RB1#0	8.62	13	15.3	Pass
				RB100#0	9.42	13	15.4	Pass
		MCH	QPSK	RB1#0	7.41	13	15.5	Pass
				RB100#0	8.86	13	15.6	Pass
			16-QAM	RB1#0	8.77	13	15.7	Pass
				RB100#0	9.42	13	15.8	Pass
		HCH	QPSK	RB1#0	7.36	13	15.9	Pass
				RB100#0	8.91	13	15.10	Pass
			16-QAM	RB1#0	8.91	13	15.11	Pass
				RB100#0	9.47	13	15.12	Pass
LTE Band 41	20 MHz	LCH	QPSK	RB1#0	7.31	13	16.1	Pass
				RB100#0	8.86	13	16.2	Pass
			16-QAM	RB1#0	9.19	13	16.3	Pass
				RB100#0	9.61	13	16.4	Pass
		MCH	QPSK	RB1#0	7.41	13	16.5	Pass
				RB100#0	8.91	13	16.6	Pass
			16-QAM	RB1#0	9.33	13	16.7	Pass
				RB100#0	9.61	13	16.8	Pass
		HCH	QPSK	RB1#0	7.31	13	16.9	Pass
				RB100#0	8.77	13	16.10	Pass
			16-QAM	RB1#0	8.48	13	16.11	Pass
				RB100#0	9.52	13	16.12	Pass

Test Channel	Modulation	PCC RB		SCC RB		Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
		Size	Offset	Size	Offset				
CA_7C									
10MHz+20MHz									
Mid	QPSK	50	0	100	0	6.14	13	17.1	Pass
	16-QAM	50	0	100	0	6.84	13	17.2	Pass
20MHz+10MHz									
Mid	QPSK	100	0	50	0	6.19	13	17.3	Pass
	16-QAM	100	0	50	0	6.85	13	17.4	Pass
15MHz+15MHz									
Mid	QPSK	75	0	75	0	6.23	13	17.5	Pass
	16-QAM	75	0	75	0	6.94	13	17.6	Pass
15MHz+20MHz									
Mid	QPSK	75	0	100	0	6.14	13	17.7	Pass
	16-QAM	75	0	100	0	6.84	13	17.8	Pass
20MHz+15MHz									
Mid	QPSK	100	0	75	0	6.14	13	17.9	Pass
	16-QAM	100	0	75	0	6.84	13	17.10	Pass
20MHz+20MHz									
Mid	QPSK	100	0	100	0	6.09	13	17.11	Pass
	16-QAM	100	0	100	0	6.89	13	17.12	Pass

NR Mode Test Data

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
n5	20 MHz	LCH	PI/2 BPSK	1	0	3.67	13	18.1	Pass
				100	0	3.8	13	18.2	Pass
			QPSK	1	0	4.72	13	18.3	Pass
				100	0	5	13	18.4	Pass
		MCH	PI/2 BPSK	1	0	3.89	13	18.5	Pass
				100	0	3.83	13	18.6	Pass
			QPSK	1	0	4.78	13	18.7	Pass
				100	0	5.02	13	18.8	Pass
		HCH	PI/2 BPSK	1	0	3.95	13	18.9	Pass
				100	0	3.82	13	18.10	Pass
			QPSK	1	0	4.85	13	18.11	Pass
				100	0	5.1	13	18.12	Pass
n7	20 MHz	LCH	PI/2 BPSK	1	0	3.11	13	19.1	Pass
				100	0	3.83	13	19.2	Pass
			QPSK	1	0	3.63	13	19.3	Pass
				100	0	4.71	13	19.4	Pass
		MCH	PI/2 BPSK	1	0	3.65	13	19.5	Pass
				100	0	4.15	13	19.6	Pass
			QPSK	1	0	4.25	13	19.7	Pass
				100	0	4.93	13	19.8	Pass
		HCH	PI/2 BPSK	1	0	3.72	13	19.9	Pass
				100	0	3.89	13	19.10	Pass
			QPSK	1	0	4.5	13	19.11	Pass
				100	0	4.98	13	19.12	Pass
n41	100 MHz	LCH	PI/2 BPSK	1	0	4.089	13	20.1	Pass
				270	0	4.031	13	20.2	Pass
			QPSK	1	0	4.829	13	20.3	Pass
				270	0	4.987	13	20.4	Pass
		MCH	PI/2 BPSK	1	0	4.511	13	20.5	Pass
				270	0	4.232	13	20.6	Pass
			QPSK	1	0	5.140	13	20.7	Pass
				270	0	4.939	13	20.8	Pass
		HCH	PI/2 BPSK	1	0	4.056	13	20.9	Pass
				270	0	5.001	13	20.10	Pass
			QPSK	1	0	5.391	13	20.11	Pass
				270	0	5.336	13	20.12	Pass
n77 (3450-	100 MHz	MCH	PI/2 BPSK	1	0	4.199	13	21.1	Pass
				270	0	4.265	13	21.2	Pass

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note2}	Verdict
3550M Hz)			QPSK	1	0	4.644	13	21.3	Pass
				270	0	4.856	13	21.4	Pass
n77 (3700-3980M Hz)	100 MHz	LCH	PI/2	1	0	4.260	13	22.1	Pass
				270	0	4.952	13	22.2	Pass
			QPSK	1	0	5.379	13	22.3	Pass
				270	0	5.502	13	22.4	Pass
		MCH	PI/2	1	0	4.149	13	22.5	Pass
				270	0	4.534	13	22.6	Pass
			QPSK	1	0	5.369	13	22.7	Pass
				270	0	5.015	13	22.8	Pass
		HCH	PI/2	1	0	4.624	13	22.9	Pass
				270	0	4.623	13	22.10	Pass
			QPSK	1	0	5.117	13	22.11	Pass
				270	0	5.034	13	22.12	Pass
n78 (3450-3550M Hz)	100 MHz	MCH	PI/2	1	0	4.216	13	23.1	Pass
				270	0	4.335	13	23.2	Pass
			QPSK	1	0	4.660	13	23.3	Pass
				270	0	4.809	13	23.4	Pass
n78 (3700-3800M Hz)	100 MHz	MCH	PI/2	1	0	4.517	13	23.5	Pass
				270	0	4.548	13	23.6	Pass
			QPSK	1	0	5.166	13	23.7	Pass
				270	0	5.014	13	23.8	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-EC21C0857-501 Data Part 2.pdf”.

GSM 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	0.245	0.31	1.1
	MCH	0.242	0.313	1.2
	HCH	0.243	0.315	1.3
GSM 1900	LCH	0.244	0.312	2.1
	MCH	0.243	0.312	2.2
	HCH	0.245	0.307	2.3
EGPRS 850	LCH	0.243	0.309	3.1
	MCH	0.244	0.301	3.2
	HCH	0.245	0.306	3.3
EGPRS 1900	LCH	0.247	0.31	4.1
	MCH	0.245	0.307	4.2
	HCH	0.243	0.304	4.3
EVDO BC0	LCH	1.273965	1.430301	5.1
	MCH	1.27317	1.431051	6.2
	HCH	1.273095	1.432931	7.3
WCDMA Band 2	LCH	4.137	4.73	8.1
	MCH	4.137	4.726	8.2
	HCH	4.137	4.717	8.3
WCDMA Band 4	LCH	4.137	4.741	9.1
	MCH	4.139	4.735	9.2
	HCH	4.136	4.727	9.3
WCDMA Band 5	LCH	4.134	4.726	10.1
	MCH	4.129	4.713	10.2
	HCH	4.122	4.71	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	1.082	1.238	11.1
			16-QAM	RB6#0	1.087	1.232	11.2
		MCH	QPSK	RB6#0	1.086	1.24	11.3
			16-QAM	RB6#0	1.082	1.222	11.4
		HCH	QPSK	RB6#0	1.09	1.237	11.5
			16-QAM	RB6#0	1.087	1.236	11.6
	3 MHz	LCH	QPSK	RB15#0	2.701	3.006	11.7
			16-QAM	RB15#0	2.698	3.007	11.8
		MCH	QPSK	RB15#0	2.698	2.985	11.9
			16-QAM	RB15#0	2.697	3.008	11.10
		HCH	QPSK	RB15#0	2.7	3.005	11.11
			16-QAM	RB15#0	2.697	3.012	11.12
	5 MHz	LCH	QPSK	RB25#0	4.508	4.95	11.13
			16-QAM	RB25#0	4.495	4.944	11.14
		MCH	QPSK	RB25#0	4.499	4.948	11.15
			16-QAM	RB25#0	4.512	4.974	11.16
		HCH	QPSK	RB25#0	4.497	4.945	11.17
			16-QAM	RB25#0	4.506	4.977	11.18
	10 MHz	LCH	QPSK	RB50#0	8.982	9.887	11.19
			16-QAM	RB50#0	8.969	9.817	11.20
		MCH	QPSK	RB50#0	8.955	9.863	11.21
			16-QAM	RB50#0	8.954	9.8	11.22
		HCH	QPSK	RB50#0	8.97	9.849	11.23
			16-QAM	RB50#0	8.963	9.881	11.24
	15 MHz	LCH	QPSK	RB75#0	13.465	14.795	11.25
			16-QAM	RB75#0	13.457	14.637	11.26
		MCH	QPSK	RB75#0	13.432	14.724	11.27
			16-QAM	RB75#0	13.455	14.731	11.28
		HCH	QPSK	RB75#0	13.433	14.757	11.29
			16-QAM	RB75#0	13.468	14.634	11.30
	20 MHz	LCH	QPSK	RB100#0	17.931	19.445	11.31
			16-QAM	RB100#0	17.908	19.491	11.32
		MCH	QPSK	RB100#0	17.929	19.484	11.33
			16-QAM	RB100#0	17.934	19.72	11.34
		HCH	QPSK	RB100#0	17.939	19.645	11.35
			16-QAM	RB100#0	17.921	19.469	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	1.083	1.227	12.1
			16-QAM	RB6#0	1.089	1.244	12.2
		MCH	QPSK	RB6#0	1.084	1.231	12.3
			16-QAM	RB6#0	1.085	1.229	12.4
		HCH	QPSK	RB6#0	1.09	1.223	12.5
			16-QAM	RB6#0	1.086	1.229	12.6
	3 MHz	LCH	QPSK	RB15#0	2.704	2.997	12.7
			16-QAM	RB15#0	2.701	3.012	12.8
		MCH	QPSK	RB15#0	2.703	2.994	12.9
			16-QAM	RB15#0	2.698	2.997	12.10
		HCH	QPSK	RB15#0	2.706	3.002	12.11
			16-QAM	RB15#0	2.695	3.009	12.12
	5 MHz	LCH	QPSK	RB25#0	4.509	4.949	12.13
			16-QAM	RB25#0	4.493	4.941	12.14
		MCH	QPSK	RB25#0	4.496	4.956	12.15
			16-QAM	RB25#0	4.515	4.975	12.16
		HCH	QPSK	RB25#0	4.499	4.958	12.17
			16-QAM	RB25#0	4.506	4.977	12.18
	10 MHz	LCH	QPSK	RB50#0	8.974	9.88	12.19
			16-QAM	RB50#0	8.984	9.757	12.20
		MCH	QPSK	RB50#0	8.967	9.84	12.21
			16-QAM	RB50#0	8.964	9.821	12.22
		HCH	QPSK	RB50#0	8.971	9.827	12.23
			16-QAM	RB50#0	8.983	9.831	12.24
	15 MHz	LCH	QPSK	RB75#0	13.443	14.725	12.25
			16-QAM	RB75#0	13.46	14.741	12.26
		MCH	QPSK	RB75#0	13.444	14.697	12.27
			16-QAM	RB75#0	13.456	14.678	12.28
		HCH	QPSK	RB75#0	13.443	14.819	12.29
			16-QAM	RB75#0	13.472	14.774	12.30
20 MHz	LCH	QPSK	RB100#0	17.904	19.473	12.31	
		16-QAM	RB100#0	17.927	19.456	12.32	
	MCH	QPSK	RB100#0	17.929	19.536	12.33	
		16-QAM	RB100#0	17.967	19.538	12.34	
	HCH	QPSK	RB100#0	17.971	19.717	12.35	
		16-QAM	RB100#0	17.93	19.428	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	1.088	1.221	13.1
			16-QAM	RB6#0	1.086	1.231	13.2
		MCH	QPSK	RB6#0	1.082	1.234	13.3
			16-QAM	RB6#0	1.088	1.224	13.4
		HCH	QPSK	RB6#0	1.087	1.236	13.5
			16-QAM	RB6#0	1.083	1.218	13.6
	3 MHz	LCH	QPSK	RB15#0	2.699	3.014	13.7
			16-QAM	RB15#0	2.695	3.007	13.8
		MCH	QPSK	RB15#0	2.703	2.993	13.9
			16-QAM	RB15#0	2.701	2.999	13.10
		HCH	QPSK	RB15#0	2.697	2.995	13.11
			16-QAM	RB15#0	2.694	3	13.12
	5 MHz	LCH	QPSK	RB25#0	4.498	4.959	13.13
			16-QAM	RB25#0	4.501	4.987	13.14
		MCH	QPSK	RB25#0	4.5	4.962	13.15
			16-QAM	RB25#0	4.491	4.928	13.16
		HCH	QPSK	RB25#0	4.49	4.958	13.17
			16-QAM	RB25#0	4.51	4.966	13.18
	10 MHz	LCH	QPSK	RB50#0	8.974	9.79	13.19
			16-QAM	RB50#0	8.961	9.832	13.20
		MCH	QPSK	RB50#0	8.971	9.887	13.21
			16-QAM	RB50#0	8.963	9.762	13.22
		HCH	QPSK	RB50#0	8.94	9.832	13.23
			16-QAM	RB50#0	8.958	9.82	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	4.512	4.952	14.1
			16-QAM	RB25#0	4.495	4.944	14.2
		MCH	QPSK	RB25#0	4.492	4.951	14.3
			16-QAM	RB25#0	4.514	4.976	14.4
		HCH	QPSK	RB25#0	4.499	4.95	14.5
			16-QAM	RB25#0	4.5	4.974	14.6
	10 MHz	LCH	QPSK	RB50#0	8.983	9.841	14.7
			16-QAM	RB50#0	8.973	9.778	14.8
		MCH	QPSK	RB50#0	8.954	9.783	14.9
			16-QAM	RB50#0	8.969	9.786	14.10
		HCH	QPSK	RB50#0	8.983	9.893	14.11
			16-QAM	RB50#0	8.962	9.85	14.12
	15 MHz	LCH	QPSK	RB75#0	13.458	14.701	14.13
			16-QAM	RB75#0	13.47	14.74	14.14
		MCH	QPSK	RB75#0	13.417	14.665	14.15
			16-QAM	RB75#0	13.442	14.676	14.16
		HCH	QPSK	RB75#0	13.437	14.757	14.17
			16-QAM	RB75#0	13.476	14.734	14.18
	20 MHz	LCH	QPSK	RB100#0	17.915	19.404	14.19
			16-QAM	RB100#0	17.982	19.555	14.20
		MCH	QPSK	RB100#0	17.92	19.46	14.21
			16-QAM	RB100#0	17.916	19.558	14.22
		HCH	QPSK	RB100#0	17.94	19.615	14.23
			16-QAM	RB100#0	17.914	19.502	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	1.082	1.231	15.1
			16-QAM	RB6#0	1.086	1.23	15.2
		MCH	QPSK	RB6#0	1.087	1.235	15.3
			16-QAM	RB6#0	1.082	1.223	15.4
		HCH	QPSK	RB6#0	1.09	1.227	15.5
			16-QAM	RB6#0	1.085	1.227	15.6
	3 MHz	LCH	QPSK	RB15#0	2.703	2.991	15.7
			16-QAM	RB15#0	2.694	3.005	15.8
		MCH	QPSK	RB15#0	2.695	2.999	15.9
			16-QAM	RB15#0	2.696	3.005	15.10
		HCH	QPSK	RB15#0	2.698	3.013	15.11
			16-QAM	RB15#0	2.698	3.009	15.12
	5 MHz	LCH	QPSK	RB25#0	4.507	4.983	15.13
			16-QAM	RB25#0	4.495	4.918	15.14
		MCH	QPSK	RB25#0	4.491	4.945	15.15
			16-QAM	RB25#0	4.509	4.956	15.16
		HCH	QPSK	RB25#0	4.487	4.948	15.17
			16-QAM	RB25#0	4.5	4.978	15.18
	10 MHz	LCH	QPSK	RB50#0	8.961	9.87	15.19
			16-QAM	RB50#0	8.949	9.807	15.20
		MCH	QPSK	RB50#0	8.947	9.813	15.21
			16-QAM	RB50#0	8.96	9.783	15.22
		HCH	QPSK	RB50#0	8.951	9.81	15.23
			16-QAM	RB50#0	8.957	9.829	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 17	5 MHz	LCH	QPSK	RB25#0	4.519	4.995	16.1
			16-QAM	RB25#0	4.497	4.912	16.2
		MCH	QPSK	RB25#0	4.491	4.958	16.3
			16-QAM	RB25#0	4.503	4.952	16.4
		HCH	QPSK	RB25#0	4.488	4.961	16.5
			16-QAM	RB25#0	4.502	4.971	16.6
	10 MHz	LCH	QPSK	RB50#0	8.966	9.88	16.7
			16-QAM	RB50#0	8.965	9.783	16.8
		MCH	QPSK	RB50#0	8.944	9.817	16.9
			16-QAM	RB50#0	8.95	9.799	16.10
		HCH	QPSK	RB50#0	8.959	9.752	16.11
			16-QAM	RB50#0	8.949	9.825	16.12

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 26 (Part22)	1.4 MHz	LCH	QPSK	RB6#0	1.084	1.232	17.1
			16-QAM	RB6#0	1.086	1.229	17.2
		MCH	QPSK	RB6#0	1.083	1.234	17.3
			16-QAM	RB6#0	1.084	1.22	17.4
		HCH	QPSK	RB6#0	1.085	1.223	17.5
			16-QAM	RB6#0	1.087	1.227	17.6
	3 MHz	LCH	QPSK	RB15#0	2.699	3.012	17.7
			16-QAM	RB15#0	2.696	3.032	17.8
		MCH	QPSK	RB15#0	2.699	2.991	17.9
			16-QAM	RB15#0	2.697	3.013	17.10
		HCH	QPSK	RB15#0	2.699	3.009	17.11
			16-QAM	RB15#0	2.692	3.01	17.12
	5 MHz	LCH	QPSK	RB25#0	4.509	4.983	17.13
			16-QAM	RB25#0	4.495	4.96	17.14
		MCH	QPSK	RB25#0	4.496	4.958	17.15
			16-QAM	RB25#0	4.506	4.957	17.16
		HCH	QPSK	RB25#0	4.491	4.944	17.17
			16-QAM	RB25#0	4.501	4.973	17.18
	10 MHz	LCH	QPSK	RB50#0	8.969	9.864	17.19
			16-QAM	RB50#0	8.944	9.816	17.20
		MCH	QPSK	RB50#0	8.949	9.814	17.21
			16-QAM	RB50#0	8.955	9.757	17.22
		HCH	QPSK	RB50#0	8.962	9.828	17.23
			16-QAM	RB50#0	8.961	9.834	17.24
	15 MHz	LCH	QPSK	RB75#0	13.434	14.693	17.25
			16-QAM	RB75#0	13.45	14.632	17.26
		MCH	QPSK	RB75#0	13.408	14.684	17.27
			16-QAM	RB75#0	13.431	14.665	17.28
		HCH	QPSK	RB75#0	13.425	14.778	17.29
			16-QAM	RB75#0	13.451	14.708	17.30

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 26 (Part90)	1.4 MHz	LCH	QPSK	RB6#0	1.084	1.233	18.1
			16-QAM	RB6#0	1.087	1.242	18.2
		MCH	QPSK	RB6#0	1.086	1.233	18.3
			16-QAM	RB6#0	1.082	1.225	18.4
		HCH	QPSK	RB6#0	1.09	1.226	18.5
			16-QAM	RB6#0	1.088	1.237	18.6
	3 MHz	LCH	QPSK	RB15#0	2.7	3.011	18.7
			16-QAM	RB15#0	2.699	3.015	18.8
		MCH	QPSK	RB15#0	2.702	3.009	18.9
			16-QAM	RB15#0	2.698	3.004	18.10
		HCH	QPSK	RB15#0	2.7	3.003	18.11
			16-QAM	RB15#0	2.696	3.006	18.12
	5 MHz	LCH	QPSK	RB25#0	4.506	4.971	18.13
			16-QAM	RB25#0	4.493	4.963	18.14
		MCH	QPSK	RB25#0	4.494	4.964	18.15
			16-QAM	RB25#0	4.505	4.957	18.16
		HCH	QPSK	RB25#0	4.494	4.95	18.17
			16-QAM	RB25#0	4.502	4.988	18.18
	10 MHz	MCH	QPSK	RB50#0	8.968	9.856	18.19
			16-QAM	RB50#0	8.969	9.781	18.20

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 38	5 MHz	LCH	QPSK	RB25#0	4.506	5.049	19.1
			16-QAM	RB25#0	4.499	5.122	19.2
		MCH	QPSK	RB25#0	2.573	2.71	19.3
			16-QAM	RB25#0	4.502	5.164	19.4
		HCH	QPSK	RB25#0	4.496	5.033	19.5
			16-QAM	RB25#0	4.513	5.143	19.6
	10 MHz	LCH	QPSK	RB50#0	8.995	10.266	19.7
			16-QAM	RB50#0	9.002	10.095	19.8
		MCH	QPSK	RB50#0	8.998	10.328	19.9
			16-QAM	RB50#0	8.971	10.249	19.10
		HCH	QPSK	RB50#0	9.016	10.857	19.11
			16-QAM	RB50#0	8.986	10.196	19.12
	15 MHz	LCH	QPSK	RB75#0	13.504	15.026	19.13
			16-QAM	RB75#0	13.477	15.04	19.14
		MCH	QPSK	RB75#0	13.454	15.733	19.15
			16-QAM	RB75#0	13.522	15.49	19.16
		HCH	QPSK	RB75#0	13.442	15.548	19.17
			16-QAM	RB75#0	13.507	15.031	19.18
	20 MHz	LCH	QPSK	RB100#0	18.008	20.941	19.19
			16-QAM	RB100#0	17.952	20.182	19.20
		MCH	QPSK	RB100#0	17.947	19.648	19.21
			16-QAM	RB100#0	17.993	22.077	19.22
		HCH	QPSK	RB100#0	17.984	20.705	19.23
			16-QAM	RB100#0	17.938	20.533	19.24

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 41	5 MHz	LCH	QPSK	RB25#0	4.502	5.03	20.1
			16-QAM	RB25#0	4.513	5.283	20.2
		MCH	QPSK	RB25#0	4.509	5.031	20.3
			16-QAM	RB25#0	4.499	5.03	20.4
		HCH	QPSK	RB25#0	4.499	5.087	20.5
			16-QAM	RB25#0	4.513	5.158	20.6
	10 MHz	LCH	QPSK	RB50#0	8.989	10.229	20.7
			16-QAM	RB50#0	8.993	9.839	20.8
		MCH	QPSK	RB50#0	9	10.435	20.9
			16-QAM	RB50#0	8.975	10.642	20.10
		HCH	QPSK	RB50#0	9.024	10.68	20.11
			16-QAM	RB50#0	8.997	10.511	20.12
	15 MHz	LCH	QPSK	RB75#0	13.484	14.913	20.13
			16-QAM	RB75#0	13.484	15.219	20.14
		MCH	QPSK	RB75#0	13.46	15.373	20.15
			16-QAM	RB75#0	13.536	16.021	20.16
		HCH	QPSK	RB75#0	13.444	15.438	20.17
			16-QAM	RB75#0	13.507	15.419	20.18
	20 MHz	LCH	QPSK	RB100#0	17.982	20.3	20.19
			16-QAM	RB100#0	17.944	20.494	20.20
		MCH	QPSK	RB100#0	17.931	19.639	20.21
			16-QAM	RB100#0	17.978	21.022	20.22
		HCH	QPSK	RB100#0	17.965	19.914	20.23
			16-QAM	RB100#0	17.942	20.705	20.24

Test Channel	Modulation	PCC RB		SCC RB		Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note2}
		Size	Offset	Size	Offset			
CA_7C								
10MHz+20MHz								
Mid	QPSK	50	0	100	0	27.93	29.79	21.1
	16-QAM	50	0	100	0	27.79	29.67	21.2
20MHz+10MHz								
Mid	QPSK	100	0	50	0	27.85	29.73	21.3
	16-QAM	100	0	50	0	27.84	29.65	21.4
15MHz+15MHz								
Mid	QPSK	75	0	75	0	28.44	30.37	21.5
	16-QAM	75	0	75	0	28.49	30.37	21.6
15MHz+20MHz								
Mid	QPSK	75	0	100	0	32.82	35.02	21.7
	16-QAM	75	0	100	0	32.67	34.84	21.8
20MHz+15MHz								
Mid	QPSK	100	0	75	0	32.71	34.92	21.9
	16-QAM	100	0	75	0	32.75	34.88	21.10
20MHz+20MHz								
Mid	QPSK	100	0	100	0	37.69	40.1	21.11
	16-QAM	100	0	100	0	37.62	40.26	21.12

NR Mode Test Data

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}
n5	5 MHz	LCH	PI/2 BPSK	25	0	4.529667	5	Pass	22.1
			QPSK	25	0	4.515195	5.028992	Pass	22.2
		MCH	PI/2 BPSK	25	0	4.515195	5.043518	Pass	22.3
			QPSK	25	0	4.515195	5.043518	Pass	22.4
		HCH	PI/2 BPSK	25	0	4.500724	5.028992	Pass	22.5
			QPSK	25	0	4.529667	5.014465	Pass	22.6
	15 MHz	LCH	PI/2 BPSK	75	0	13.458755	14.434814	Pass	22.7
			QPSK	75	0	13.458755	14.478271	Pass	22.8
		MCH	PI/2 BPSK	75	0	13.41534	14.391357	Pass	22.9
			QPSK	75	0	13.41534	14.434814	Pass	22.10
		HCH	PI/2 BPSK	75	0	13.41534	14.434814	Pass	22.11
			QPSK	75	0	13.458755	14.565186	Pass	22.12
	20 MHz	LCH	PI/2 BPSK	100	0	17.88712	18.956543	Pass	22.13
			QPSK	100	0	17.829233	18.89856	Pass	22.14
		MCH	PI/2 BPSK	100	0	17.88712	18.956543	Pass	22.15
			QPSK	100	0	17.829233	18.956543	Pass	22.16
		HCH	PI/2 BPSK	100	0	17.88712	18.89856	Pass	22.17
			QPSK	100	0	17.829233	19.014526	Pass	22.18
n7	5 MHz	LCH	PI/2 BPSK	25	0	4.515195	5.029053	Pass	23.1
			QPSK	25	0	4.515195	5.101318	Pass	23.2
		MCH	PI/2 BPSK	25	0	4.515195	5.028809	Pass	23.3
			QPSK	25	0	4.515195	5.072266	Pass	23.4
		HCH	PI/2 BPSK	25	0	4.515195	5.057861	Pass	23.5
			QPSK	25	0	4.515195	5.086914	Pass	23.6

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}
	15 MHz	LCH	PI/2 BPSK	75	0	13.458755	14.434814	Pass	23.7
			QPSK	75	0	13.458755	14.521729	Pass	23.8
		MCH	PI/2 BPSK	75	0	13.458755	14.434814	Pass	23.9
			QPSK	75	0	13.458755	14.478271	Pass	23.10
		HCH	PI/2 BPSK	75	0	13.458755	14.434814	Pass	23.11
			QPSK	75	0	13.458755	14.521729	Pass	23.12
	20 MHz	LCH	PI/2 BPSK	100	0	17.829233	19.014648	Pass	23.13
			QPSK	100	0	17.945007	19.014648	Pass	23.14
		MCH	PI/2 BPSK	100	0	17.945007	18.956543	Pass	23.15
			QPSK	100	0	17.88712	19.014404	Pass	23.16
		HCH	PI/2 BPSK	100	0	17.88712	18.956543	Pass	23.17
			QPSK	100	0	17.945007	18.956543	Pass	23.18
n41	20 MHz	LCH	PI/2 BPSK	50	0	17.945007	19.42041	Pass	24.1
			QPSK	50	0	17.88712	19.536133	Pass	24.2
		MCH	PI/2 BPSK	50	0	17.88712	19.362305	Pass	24.3
			QPSK	50	0	17.945007	19.536377	Pass	24.4
		HCH	PI/2 BPSK	50	0	17.88712	19.536377	Pass	24.5
			QPSK	50	0	17.88712	19.536133	Pass	24.6
	60 MHz	LCH	PI/2 BPSK	162	0	57.829233	61.043457	Pass	24.7
			QPSK	162	0	57.829233	61.217529	Pass	24.8
		MCH	PI/2 BPSK	162	0	58.002894	61.217285	Pass	24.9
			QPSK	162	0	58.002894	61.043457	Pass	24.10
		HCH	PI/2 BPSK	162	0	58.002894	61.043457	Pass	24.11
			QPSK	162	0	57.829233	61.043457	Pass	24.12
	100 MHz	LCH	PI/2 BPSK	270	0	96	100.100098	Pass	24.13

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}
		MCH	QPSK	270	0	96	99.899902	Pass	24.14
			PI/2 BPSK	270	0	96.2	100.100098	Pass	24.15
			QPSK	270	0	96.2	99.899902	Pass	24.16
		HCH	PI/2 BPSK	270	0	96.2	100.100098	Pass	24.17
			QPSK	270	0	96.2	100.300293	Pass	24.18
n77(3 450-3550 MHz)	20 MHz	LCH	PI/2 BPSK	50	0	17.88712	19.304199	Pass	25.1
			QPSK	50	0	17.88712	19.536133	Pass	25.2
		MCH	PI/2 BPSK	50	0	17.88712	19.362305	Pass	25.3
			QPSK	50	0	17.88712	19.478271	Pass	25.4
		HCH	PI/2 BPSK	50	0	17.88712	19.362305	Pass	25.5
			QPSK	50	0	17.88712	19.536377	Pass	25.6
	50 MHz	LCH	PI/2 BPSK	128	0	45.9149	48.55038	Pass	25.7
			QPSK	128	0	45.77498	48.50135	Pass	25.8
		MCH	PI/2 BPSK	128	0	45.81216	48.46912	Pass	25.9
			QPSK	128	0	45.78895	48.54496	Pass	25.10
		HCH	PI/2 BPSK	128	0	45.70062	48.41995	Pass	25.11
			QPSK	128	0	45.74503	48.5516	Pass	25.12
	100 MHz	MCH	PI/2 BPSK	270	0	96.2	100.100098	Pass	25.13
			QPSK	270	0	96.2	99.899902	Pass	25.14
n77(3 700-3980 MHz)	20 MHz	LCH	PI/2 BPSK	50	0	17.829233	19.420166	Pass	26.1
			QPSK	50	0	17.88712	19.42041	Pass	26.2
		MCH	PI/2 BPSK	50	0	17.829233	19.478271	Pass	26.3
			QPSK	50	0	17.88712	19.42041	Pass	26.4
		HCH	PI/2 BPSK	50	0	17.88712	19.362305	Pass	26.5
			QPSK	50	0	17.88712	19.478271	Pass	26.6

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}	
n78(3 450- 3550 MHz)	50 MHz	LCH	PI/2 BPSK	128	0	45.81336	48.4395	Pass	26.7	
			QPSK	128	0	45.76365	48.71128	Pass	26.8	
		MCH	PI/2 BPSK	128	0	45.80045	48.38172	Pass	26.9	
			QPSK	128	0	45.80356	48.51485	Pass	26.10	
		HCH	PI/2 BPSK	128	0	45.72425	48.42722	Pass	26.11	
			QPSK	128	0	45.70782	48.48073	Pass	26.12	
	100 MHz	LCH	PI/2 BPSK	270	0	96.2	99.699707	Pass	26.13	
			QPSK	270	0	96.4	100.100098	Pass	26.14	
		MCH	PI/2 BPSK	270	0	96.4	100.100098	Pass	26.15	
			QPSK	270	0	96.2	100.100098	Pass	26.16	
		HCH	PI/2 BPSK	270	0	96.2	100.100098	Pass	26.17	
			QPSK	270	0	96.2	100.100098	Pass	26.18	
	20 MHz	LCH	PI/2 BPSK	50	0	17.88712	19.478271	Pass	27.1	
				50	0	17.88712	19.536133	Pass	27.2	
			MCH	PI/2 BPSK	50	0	17.88712	19.42041	Pass	27.3
				QPSK	50	0	17.945007	19.478271	Pass	27.4
			HCH	PI/2 BPSK	50	0	17.88712	19.420166	Pass	27.5
				QPSK	50	0	17.88712	19.478271	Pass	27.6
50 MHz		LCH	PI/2 BPSK	128	0	45.875543	48.550781	Pass	27.7	
			QPSK	128	0	45.875543	48.695801	Pass	27.8	
		MCH	PI/2 BPSK	128	0	45.875543	48.695557	Pass	27.9	
			QPSK	128	0	45.875543	48.695557	Pass	27.10	
		HCH	PI/2 BPSK	128	0	45.875543	48.695557	Pass	27.11	
			QPSK	128	0	45.875543	48.695557	Pass	27.12	
100 MHz	MCH	PI/2 BPSK	270	0	96.2	99.899902	Pass	27.13		

Test Band	NR Test Bandwidth	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Measured 99% Occupied Bandwidth (MHz)	Measured - 26 dB Occupied Bandwidth (MHz)	Verdict	Refer to Plot ^{Note2}
			QPSK	270	0	96.2	99.899902	Pass	27.14
n78(3 700- 3800 MHz)	20 MHz	LCH	PI/2 BPSK	50	0	17.829233	19.362305	Pass	28.1
			QPSK	50	0	17.945007	19.420166	Pass	28.2
		MCH	PI/2 BPSK	50	0	17.88712	19.42041	Pass	28.3
			QPSK	50	0	17.88712	19.478271	Pass	28.4
		HCH	PI/2 BPSK	50	0	17.88712	19.362305	Pass	28.5
			QPSK	50	0	17.88712	19.478271	Pass	28.6
	50 MHz	LCH	PI/2 BPSK	128	0	45.875543	48.840576	Pass	28.7
			QPSK	128	0	45.875543	48.695557	Pass	28.8
		MCH	PI/2 BPSK	128	0	45.875543	48.550537	Pass	28.9
			QPSK	128	0	45.730825	48.840576	Pass	28.10
		HCH	PI/2 BPSK	128	0	45.875543	48.695557	Pass	28.11
			QPSK	128	0	45.875543	48.840576	Pass	28.12
	100 MHz	MCH	PI/2 BPSK	270	0	96.2	99.699707	Pass	28.13
			QPSK	270	0	96.2	99.899902	Pass	28.14

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)	
7.74	-30	13.59	±2060.5	16.69	±2091.5	9.65	±2122	Pass
	-20	19.92		13.88		20.02		
	-10	13.59		18.47		12.69		
	0	10.07		12.69		12.24		
	10	13.79		19.21		13.4		
	20	17.79		14.11		11.33		
	25	13.17		14.75		11.43		
	30	14.17		12.33		12.27		
	40	11.53		14.72		14.85		
	50	15.17		13.66		11.62		
55	13.75	15.05	9.78					
8.9	25	15.37		17.6		8.78		
7.2	25	15.63		16.47		9.4		

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)	
7.74	-30	7.17	±4625.5	-5.81	±4700.0	5.78	±4774.5	Pass
	-20	4.78		-8.2		-7.17		
	-10	-4.94		6.42		-6.52		
	0	6.68		6.78		9.23		
	10	7.88		6.94		9.4		
	20	8.2		3.36		7.49		
	25	6.91		-4.52		6.49		
	30	-7.49		6.62		12.4		
	40	7.72		-4.65		6.62		
	50	-9.43		6.13		6.01		
55	6.36	3.2	6.75					
8.9	25	8.72		6.84		10.33		
7.2	25	-10.91		8.91		6.75		

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)	
7.74	-30	19.66	±2060.5	18.63	±2091.5	21.7	±2122	Pass
	-20	18.56		17.82		18.02		
	-10	18.02		17.63		18.44		
	0	16.72		19.02		18.31		
	10	18.79		19.18		20.89		
	20	18.56		20.02		20.73		
	25	19.82		18.63		19.73		
	30	17.95		19.24		18.98		
	40	19.44		20.63		18.89		
	50	18.27		19.73		21.73		
55	21.41	19.18	20.02					
8.9	25	17.85		20.6		18.95		
7.2	25	16.98		18.66		19.05		

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)	
7.74	-30	12.27	±4625.5	10.98	±4700.0	11.78	±4774.5	Pass
	-20	10.85		11.04		11.3		
	-10	11.07		11.66		14.21		
	0	15.4		13.11		13.82		
	10	14.3		14.53		14.63		
	20	12.66		12.3		13.11		
	25	13.43		15.17		14.85		
	30	13.66		14.08		14.85		
	40	10.69		12.4		15.3		
	50	12.82		11.88		14.37		
55	17.14	12.14	14.82					
8.9	25	15.5		15.4		18.37		
7.2	25	13.85		14.72		16.79		

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)	
7.74	-30	22.15	±2060.5	21.83	±2091.5	24.73	±2122	Pass
	-20	22.57		23.28		23.37		
	-10	21.47		21.73		22.54		
	0	21.89		21.99		22.41		
	10	23.25		22.89		22.47		
	20	20.76		21.53		21.11		
	25	21.53		22.66		22.28		
	30	23.41		21.5		20.95		
	40	23.02		23.34		23.83		
	50	21.7		24.02		24.15		
55	25.18	20.89	24.09					
8.9	25	22.24		21.21		25.86		
7.2	25	24.31		23.28		24.54		

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)	
7.74	-30	18.11	±4625.5	21.6	±4700.0	18.82	±4774.5	Pass
	-20	24.5		23.02		18.18		
	-10	19.63		18.21		19.69		
	0	19.6		21.57		21.21		
	10	22.44		22.24		20.4		
	20	19.05		19.4		17.14		
	25	20.99		17.05		20.08		
	30	21.31		22.6		24.92		
	40	20.18		18.98		18.89		
	50	21.02		23.6		23.44		
55	23.7	20.82	20.79					
8.9	25	22.96		18.11		17.79		
7.2	25	17.79		19.4		24.02		

EVDO BC0

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.7MHz		MCH 836.52MHz		HCH 848.31MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
7.74	-30	8.57	±2061.75	-10.18	±2091.3	-3.81	±2021.77 5	Pass
	-20	6.52		1.54		-10.84		
	-10	4.32		0.15		12.82		
	0	-12.01		-9.45		-11.13		
	10	1.17		-10.40		-8.42		
	20	-13.04		-12.08		-2.20		
	25	-7.25		-8.72		7.91		
	30	-13.7		1.83		8.20		
	40	-10.77		-6.88		16.04		
	50	-11.50		-8.20		-7.98		
55	5.93	-2.34	4.91					
8.9	25	7.84		9.59		13.22		
7.2	25	-8.28		-11.57		-7.84		

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)	
7.74	-30	4.43	±4631	1.97	±4700	-1.51	±4769	Pass
	-20	4.88		1.38		-1.41		
	-10	4.75		1.47		-1.52		
	0	4.44		2.2		-2.25		
	10	4.49		1.28		-1.65		
	20	3.76		1.72		-1.14		
	25	4.41		1.27		-1.74		
	30	4.39		1.61		-1.61		
	40	4.1		1.33		-2.07		
	50	4.57		1.7		-1.34		
55	3.4	1.54	-1.31					
8.9	25	4.33		2.05		-1.7		
7.2	25	4.24		1.45		-1.61		

WCDMA Band 4

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1712.4 MHz		MCH 1732.4 MHz		HCH 1752.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
7.74	-30	7.79	±4281	0.65	±4331	-6.89	±4381.5	Pass
	-20	7.51		0.87		-7.83		
	-10	7.65		0.09		-7.09		
	0	6.96		-0.44		-7.68		
	10	7.36		-0.1		-6.62		
	20	7.53		0.3		-7.46		
	25	7.75		0.3		-7.75		
	30	7.72		0.71		-7.35		
	40	7.86		0.41		-6.92		
	50	7.05		0.11		-7.05		
55	7.77	-0.21	-7.67					
8.9	25	7.73		0.14		-8.25		
7.2	25	6.59		0.4		-7.27		

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)	
7.74	-30	0.9	±2066	-0.4	±2091	-1.06	±2116.5	Pass
	-20	0.69		-0.15		-1.23		
	-10	0.26		-0.24		-1.58		
	0	0.8		-0.54		-1.35		
	10	0.06		-0.3		-1.25		
	20	0.49		-0.32		-0.98		
	25	0.42		-0.43		-1.42		
	30	0.34		-0.42		-1.54		
	40	0.3		-0.3		-1.53		
	50	0.84		-0.33		-1.13		
55	0.41	-0.16	-1.25					
8.9	25	0.59		-0.51		-1.58		
7.2	25	0.59		-0.03		-1.32		

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	0.7	±4700	Pass
	-20	-0.63		
	-10	-0.5		
	0	-0.94		
	10	0.04		
	20	2.73		
	25	1.7		
	30	3.33		
	40	0.26		
	50	1.39		
55	0.07			
8.9	25	-0.84		
7.2	25	0.37		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	0.54	±4700	Pass
	-20	1.29		
	-10	-1		
	0	-0.4		
	10	-0.74		
	20	0.47		
	25	0.63		
	30	0.6		
	40	1.6		
	50	1.65		
55	2.05			
8.9	25	-1		
7.2	25	0.24		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.34	±4331.25	Pass
	-20	1.76		
	-10	0.7		
	0	0.01		
	10	-0.8		
	20	0.39		
	25	-0.09		
	30	-1.22		
	40	-0.06		
	50	0.06		
55	0.93			
8.9	25	-1.23		
7.2	25	-0.29		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.31	±4331.25	Pass
	-20	0.6		
	-10	0.44		
	0	-0.39		
	10	1.14		
	20	-1.82		
	25	-3.03		
	30	-1.32		
	40	-0.89		
	50	1.13		
55	-0.04			
8.9	25	-1.22		
7.2	25	-1.06		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.97	±2091.25	Pass
	-20	-1.67		
	-10	-2.35		
	0	-1.36		
	10	-1.49		
	20	-1.42		
	25	-2.43		
	30	-2.2		
	40	-1.1		
	50	0.31		
8.9	25	-1.13		
7.2	25	-0.74		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-1	±2091.25	Pass
	-20	-2.27		
	-10	-1.72		
	0	-0.79		
	10	-1.9		
	20	-1.87		
	25	-1.95		
	30	-1.7		
	40	-1.1		
	50	0.2		
8.9	25	-0.89		
7.2	25	-0.8		

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	2.96	±6337.5	Pass
	-20	0.92		
	-10	3.13		
	0	2.07		
	10	1.82		
	20	-0.47		
	25	1.75		
	30	0.26		
	40	0.46		
	50	-0.43		
8.9	25	1.56		
7.2	25	0.6		

LTE Band 7 16-QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	2.69	±6337.5	Pass
	-20	2.75		
	-10	2.15		
	0	1.66		
	10	0.94		
	20	-0.89		
	25	1.32		
	30	-1.32		
	40	1.16		
	50	3.26		
8.9	25	2.57		
7.2	25	1.54		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.76	±1768.75	Pass
	-20	-1.39		
	-10	0.2		
	0	0.11		
	10	0.07		
	20	0.04		
	25	0.66		
	30	1.07		
	40	-0.17		
	50	0.04		
55	-0.09			
8.9	25	-0.04		
7.2	25	0.24		

LTE Band 12 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-1.4	±1768.75	Pass
	-20	-0.92		
	-10	-0.23		
	0	-0.01		
	10	0.27		
	20	0.39		
	25	-0.4		
	30	-0.07		
	40	-0.06		
	50	-0.8		
55	0.1			
8.9	25	-0.79		
7.2	25	-0.46		

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	1.63	±1775	Pass
	-20	-0.19		
	-10	-0.39		
	0	-0.1		
	10	-0.11		
	20	0.23		
	25	-0.07		
	30	-1.04		
	40	-0.03		
	50	-0.49		
8.9	25	-0.36		
7.2	25	0.03		

LTE Band 17 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.06	±1775	Pass
	-20	0.13		
	-10	0.2		
	0	-0.03		
	10	-0.1		
	20	0.3		
	25	-0.36		
	30	-1.14		
	40	-1.23		
	50	-0.23		
8.9	25	-0.04		
7.2	25	0.01		

LTE Band 26 (Part22) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-1.26	±2091.25	Pass
	-20	-1.03		
	-10	-1.43		
	0	-2.07		
	10	-1.82		
	20	-1.1		
	25	-1.49		
	30	-1.77		
	40	-0.63		
	50	-0.76		
8.9	25	-1.47		
7.2	25	-1.46		

LTE Band 26 (Part22) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.37	±2091.25	Pass
	-20	-0.66		
	-10	-2.07		
	0	-2.02		
	10	-1.56		
	20	-2.46		
	25	-0.37		
	30	-2.35		
	40	-0.93		
	50	-1.32		
8.9	25	-2.63		
7.2	25	-0.73		

LTE Band 26 (Part90) QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-2.88	±2047.5	Pass
	-20	-1		
	-10	-3.13		
	0	-2.72		
	10	-4.06		
	20	-3.03		
	25	-3.5		
	30	-2.72		
	40	-2.8		
	50	-3.88		
55	-5.22			
8.9	25	-3.12		
7.2	25	-3.6		

LTE Band 26 (Part90) 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 819 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-1.3	±2047.5	Pass
	-20	-1.73		
	-10	-1.69		
	0	-3.09		
	10	-2.56		
	20	-2.62		
	25	-2.02		
	30	-3.05		
	40	-2.96		
	50	-4.41		
55	-2.86			
8.9	25	-3.63		
7.2	25	-2.59		

LTE Band 38 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	0.04	±6487.5	Pass
	-20	-0.96		
	-10	0.36		
	0	0.19		
	10	-0.6		
	20	-0.46		
	25	-1.14		
	30	-0.76		
	40	-0.64		
	50	0.14		
8.9	25	-1.44		
7.2	25	-0.46		

LTE Band 38 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2595 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-0.29	±6487.5	Pass
	-20	-0.33		
	-10	0.84		
	0	-0.47		
	10	-0.31		
	20	-0.17		
	25	-0.96		
	30	0.89		
	40	-0.59		
	50	-0.17		
8.9	25	-0.53		
7.2	25	-0.43		

LTE Band 41 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	0.39	±6482.5	Pass
	-20	0.7		
	-10	1.37		
	0	1.13		
	10	0.86		
	20	1.42		
	25	-0.23		
	30	0.49		
	40	1.06		
	50	0.47		
8.9	25	-0.34		
7.2	25	0.29		

LTE Band 41 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2593 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	0.59	±6482.5	Pass
	-20	-0.83		
	-10	1.37		
	0	-1		
	10	1.67		
	20	1.72		
	25	0.17		
	30	0.63		
	40	1.47		
	50	0.04		
8.9	25	-0.03		
7.2	25	0.86		

CA_7C QPSK 20MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2530.1 MHz		SCC MCH 2544.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
7.74	-30	11.83	±6,325.25	-20.43	±6,361.25	Pass
	-20	11.97		-20.06		
	-10	11.87		-21.11		
	0	11.8		-20.2		
	10	12.62		-20.86		
	20	12.79		-23.13		
	25	13.26		-21.23		
	30	12.75		-22.39		
	40	12.83		-20.9		
	50	14.35		-21.66		
55	12.97	-20.63				
8.9	25	13.7	-22.04			
7.2	25	13.56	-21.93			

CA_7C 16QAM 20MHz+10MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2530.1 MHz		SCC MCH 2544.5 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
7.74	-30	12.42	±6,325.25	-22.13	±6,361.25	Pass
	-20	12.36		-21.89		
	-10	13.05		-21.67		
	0	11.69		-20.57		
	10	12.67		-21.92		
	20	12.07		-21.19		
	25	11.39		-21.54		
	30	13.7		-23.4		
	40	13.76		-22.04		
	50	12.8		-21.57		
55	10.56	-22.79				
8.9	25	12.89	-23.39			
7.2	25	13.28	-23.69			

CA_7C QPSK 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2525.1 MHz		SCC MCH 2544.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
7.74	-30	30.34	±6,312.75	-21.19	±6,362.25	Pass
	-20	32.57		-23.15		
	-10	32.39		-23.25		
	0	30.77		-21.85		
	10	29.17		-21.99		
	20	32.3		-21.66		
	25	30.77		-25.08		
	30	30.97		-22.93		
	40	30.2		-23.75		
	50	31.31		-23.85		
	55	30.43		-23.3		
8.9	25	30.23		-22.37		
7.2	25	29.87		-22.4		

CA_7C 16QAM 20MHz+20MHz

Test Conditions		Frequency Deviation				Verdict
Power (VDC)	Temperature (°C)	PCC MCH 2525.1 MHz		SCC MCH 2544.9 MHz		
		Value(Hz)	Limits (Hz)	Value(Hz)	Limits (Hz)	
7.74	-30	30.98	±6,312.75	-26.26	±6,362.25	Pass
	-20	29.7		-26.02		
	-10	30.31		-27.21		
	0	29.13		-26.15		
	10	29.07		-24.78		
	20	29.57		-25.51		
	25	31.33		-25.55		
	30	28.68		-25.71		
	40	31.93		-27.24		
	50	29.2		-26.06		
	55	29.74		-25.58		
8.9	25	29.27		-26.74		
7.2	25	28.91		-25.68		

NR Band n5 PI/2 BPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	3.5	±2091.25	Pass
	-20	7.1		
	-10	-2.6		
	0	4.6		
	10	5.1		
	20	-5		
	25	4.8		
	30	2.9		
	40	1		
	50	2		
8.9	25	7.6		
7.2	25	-4.1		

NR Band n5 QPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	7.2	±2091.25	Pass
	-20	5.2		
	-10	5.6		
	0	1.8		
	10	5.7		
	20	5.5		
	25	-1.8		
	30	2.6		
	40	8.8		
	50	-1.6		
8.9	25	6.4		
7.2	25	47.8		

NR Band n7 PI/2 BPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	1.6	±6337.5	Pass
	-20	2.4		
	-10	3.6		
	0	-1.2		
	10	-1.9		
	20	1.6		
	25	-1.1		
	30	5.9		
	40	2.2		
	50	4.7		
55	2.7			
8.9	25	-2		
7.2	25	-1.5		

NR Band n7 QPSK 20 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	2.6	±6337.5	Pass
	-20	-1		
	-10	0.6		
	0	1.2		
	10	-3.9		
	20	2.3		
	25	1.8		
	30	-3.7		
	40	4.3		
	50	-3.4		
	55	3.2		
8.9	25	3.8		
7.2	25	3.2		

NR Band n41 PI/2 BPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2592.99 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-2.5	±6482.475	Pass
	-20	-8.3		
	-10	-5.1		
	0	-2.4		
	10	-6		
	20	-3.2		
	25	6.6		
	30	-8.2		
	40	3		
	50	2.7		
55	-2.5			
8.9	25	2.7		
7.2	25	-5.6		

NR Band n41 QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2592.99 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	2.7	±6482.475	Pass
	-20	-2.4		
	-10	2.6		
	0	-4		
	10	-2.6		
	20	-4.7		
	25	-5.9		
	30	-2.7		
	40	1.4		
	50	-4.1		
55	3.9			
8.9	25	-2.2		
7.2	25	-3.1		

NR Band n77(3450-3550MHz) PI/2 BPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	10.1	±8749.95	Pass
	-20	4.3		
	-10	6.9		
	0	-7.1		
	10	11.1		
	20	13.4		
	25	3.9		
	30	13.1		
	40	9.7		
	50	7.5		
55	4.2			
8.9	25	14.2		
7.2	25	8.2		

NR Band n77(3450-3550MHz) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	12.3	±8749.95	Pass
	-20	4.6		
	-10	6.9		
	0	12		
	10	5.7		
	20	16.9		
	25	2		
	30	10		
	40	2.7		
	50	3.2		
	55	-7.1		
	25	7.5		
	25	9.2		
8.9	-30	12.3		
7.2	-20	4.6		

NR Band n77(3700-3980MHz) PI/2 BPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3840MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	6.1	±9600	Pass
	-20	2.7		
	-10	5		
	0	-10.9		
	10	11		
	20	9.4		
	25	12		
	30	6.3		
	40	-12.9		
	50	4.4		
55	9.2			
8.9	25	6.1		
7.2	25	2.7		

NR Band n77(3700-3980MHz) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3840MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	7.8	±9600	Pass
	-20	7.4		
	-10	10.6		
	0	-3.7		
	10	2.7		
	20	7.1		
	25	-6.1		
	30	8.3		
	40	-1.3		
	50	13.2		
55	5			
8.9	25	7		
7.2	25	-4.6		

NR Band n78(3450-3550MHz) PI/2 BPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	13.8	±8749.95	Pass
	-20	12.3		
	-10	-1		
	0	13		
	10	5.7		
	20	10.5		
	25	-8.4		
	30	12.2		
	40	8.9		
	50	2.8		
55	6.4			
8.9	25	1		
7.2	25	5.4		

NR Band n78(3450-3550MHz) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3499.98MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	12.4	±8749.95	Pass
	-20	-4.4		
	-10	12.7		
	0	11.3		
	10	9.3		
	20	13.1		
	25	12.6		
	30	5.4		
	40	7.7		
	50	-6		
55	6.8			
8.9	25	4.4		
7.2	25	8.2		

NR Band n78(3700-3800MHz) PI/2 BPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3750 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-7.7	±9375	Pass
	-20	-4.1		
	-10	8.4		
	0	3.5		
	10	3.7		
	20	5.4		
	25	3.6		
	30	8.7		
	40	-3.6		
	50	-2.3		
8.9	25	-4.9		
7.2	25	8.6		

NR Band n78(3700-3800MHz) QPSK 100 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 3750 MHz		
		Value (Hz)	Limits (Hz)	
7.74	-30	-2.5	±9375	Pass
	-20	2.1		
	-10	7.2		
	0	10.1		
	10	7.4		
	20	2.8		
	25	-6.5		
	30	-5.5		
	40	9.8		
	50	-4.2		
8.9	25	-7.5		
7.2	25	-1.6		

A.5 Spurious Emission at Antenna Terminals

Note 1: All modes have been tested, and only the worst case data 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-EC21C0857-501 Data Part 3.pdf".

GSM 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
EVDO BC0	LCH	5.1	Pass
	MCH	6.1	Pass
	HCH	7.1	Pass
WCDMA Band 2	LCH	8.1	Pass
	MCH	8.2	Pass
	HCH	8.3	Pass
WCDMA Band 4	LCH	9.1	Pass
	MCH	9.2	Pass
	HCH	9.3	Pass
WCDMA Band 5	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 ^{Note3}	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 ^{Note3}	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 ^{Note3}	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 ^{Note3}	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 ^{Note3}	Verdict
Band 17	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	LCH	QPSK	RB1#0	16.7	Pass
			16-QAM	RB1#0	16.8	Pass
		MCH	QPSK	RB1#0	16.9	Pass
			16-QAM	RB1#0	16.10	Pass
		HCH	QPSK	RB1#0	16.11	Pass
			16-QAM	RB1#0	16.12	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 26 (Part22)	1.4 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
	3 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
	5 MHz	LCH	QPSK	RB1#0	17.13	Pass
			16-QAM	RB1#0	17.14	Pass
		MCH	QPSK	RB1#0	17.15	Pass
			16-QAM	RB1#0	17.16	Pass
		HCH	QPSK	RB1#0	17.17	Pass
			16-QAM	RB1#0	17.18	Pass
	10 MHz	LCH	QPSK	RB1#0	17.19	Pass
			16-QAM	RB1#0	17.20	Pass
		MCH	QPSK	RB1#0	17.21	Pass
			16-QAM	RB1#0	17.22	Pass
		HCH	QPSK	RB1#0	17.23	Pass
			16-QAM	RB1#0	17.24	Pass
15 MHz	LCH	QPSK	RB1#0	17.26	Pass	
		16-QAM	RB1#0	17.27	Pass	
	MCH	QPSK	RB1#0	17.28	Pass	
		16-QAM	RB1#0	17.29	Pass	
	HCH	QPSK	RB1#0	17.30	Pass	
		16-QAM	RB1#0	17.31	Pass	

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 26 (Part90)	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	MCH	QPSK	RB1#0	18.19	Pass
			16-QAM	RB1#0	18.20	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 38	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

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	20.1	Pass
			16-QAM	RB1#0	20.2	Pass
		MCH	QPSK	RB1#0	20.3	Pass
			16-QAM	RB1#0	20.4	Pass
		HCH	QPSK	RB1#0	20.5	Pass
			16-QAM	RB1#0	20.6	Pass
	10 MHz	LCH	QPSK	RB1#0	20.7	Pass
			16-QAM	RB1#0	20.8	Pass
		MCH	QPSK	RB1#0	20.9	Pass
			16-QAM	RB1#0	20.10	Pass
		HCH	QPSK	RB1#0	20.11	Pass
			16-QAM	RB1#0	20.12	Pass
	15 MHz	LCH	QPSK	RB1#0	20.13	Pass
			16-QAM	RB1#0	20.14	Pass
		MCH	QPSK	RB1#0	20.15	Pass
			16-QAM	RB1#0	20.16	Pass
		HCH	QPSK	RB1#0	20.17	Pass
			16-QAM	RB1#0	20.18	Pass
	20 MHz	LCH	QPSK	RB1#0	20.19	Pass
			16-QAM	RB1#0	20.20	Pass
		MCH	QPSK	RB1#0	20.21	Pass
			16-QAM	RB1#0	20.22	Pass
		HCH	QPSK	RB1#0	20.23	Pass
			16-QAM	RB1#0	20.24	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_7C							
20MHz+10MHz							
Low	QPSK	1	0	1	49	21.1	Pass
		100	0	50	0	21.2	Pass
	16QAM	1	0	1	49	21.3	Pass
		100	0	50	0	21.4	Pass
Mid	QPSK	1	0	1	49	21.5	Pass
		100	0	50	0	21.6	Pass
	16QAM	1	0	1	49	21.7	Pass
		100	0	50	0	21.8	Pass
High	QPSK	1	0	1	49	21.9	Pass
		100	0	50	0	21.10	Pass
	16QAM	1	0	1	49	21.11	Pass
		100	0	50	0	21.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	21.13	Pass
		100	0	100	0	21.14	Pass
	16QAM	1	0	1	99	21.15	Pass
		100	0	100	0	21.16	Pass
Mid	QPSK	1	0	1	99	21.17	Pass
		100	0	100	0	21.18	Pass
	16QAM	1	0	1	99	21.19	Pass
		100	0	100	0	21.20	Pass
High	QPSK	1	0	1	99	21.21	Pass
		100	0	100	0	21.22	Pass
	16QAM	1	0	1	99	21.23	Pass
		100	0	100	0	21.24	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n5	5	LCH	PI/2 BPSK	12	6	22.1	Pass
			QPSK	12	6	22.2	Pass
		MCH	PI/2 BPSK	12	6	22.3	Pass
			QPSK	12	6	22.4	Pass
		HCH	PI/2 BPSK	12	6	22.5	Pass
			QPSK	12	6	22.6	Pass
	15	LCH	PI/2 BPSK	36	18	22.7	Pass
			QPSK	36	18	22.8	Pass
		MCH	PI/2 BPSK	36	18	22.9	Pass
			QPSK	36	18	22.10	Pass
		HCH	PI/2 BPSK	36	18	22.11	Pass
			QPSK	36	18	22.12	Pass
	20	LCH	PI/2 BPSK	50	25	22.13	Pass
			QPSK	50	25	22.14	Pass
		MCH	PI/2 BPSK	50	25	22.15	Pass
			QPSK	50	25	22.16	Pass
		HCH	PI/2 BPSK	50	25	22.17	Pass
			QPSK	50	25	22.18	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n7	5	LCH	PI/2 BPSK	12	6	23.1	Pass
			QPSK	12	6	23.2	Pass
		MCH	PI/2 BPSK	12	6	23.3	Pass
			QPSK	12	6	23.4	Pass
		HCH	PI/2 BPSK	12	6	23.5	Pass
			QPSK	12	6	23.6	Pass
	15	LCH	PI/2 BPSK	36	18	23.7	Pass
			QPSK	36	18	23.8	Pass
		MCH	PI/2 BPSK	36	18	23.9	Pass
			QPSK	36	18	23.10	Pass
		HCH	PI/2 BPSK	36	18	23.11	Pass
			QPSK	36	18	23.12	Pass
	20	LCH	PI/2 BPSK	50	25	23.13	Pass
			QPSK	50	25	23.14	Pass
		MCH	PI/2 BPSK	50	25	23.15	Pass
			QPSK	50	25	23.16	Pass
		HCH	PI/2 BPSK	50	25	23.17	Pass
			QPSK	50	25	23.18	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n41	20	LCH	PI/2 BPSK	25	12	24.1	Pass
			QPSK	25	12	24.2	Pass
		MCH	PI/2 BPSK	25	12	24.3	Pass
			QPSK	25	12	24.4	Pass
		HCH	PI/2 BPSK	25	12	24.5	Pass
			QPSK	25	12	24.6	Pass
	60	LCH	PI/2 BPSK	81	40	24.7	Pass
			QPSK	81	40	24.8	Pass
		MCH	PI/2 BPSK	81	40	24.9	Pass
			QPSK	81	40	24.10	Pass
		HCH	PI/2 BPSK	81	40	24.11	Pass
			QPSK	81	40	24.12	Pass
	100	LCH	PI/2 BPSK	135	67	24.13	Pass
			QPSK	135	67	24.14	Pass
		MCH	PI/2 BPSK	135	67	24.15	Pass
			QPSK	135	67	24.16	Pass
		HCH	PI/2 BPSK	135	67	24.17	Pass
			QPSK	135	67	24.18	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3450-3550MHz)	20 MHz	LCH	PI/2 BPSK	25	12	25.1	Pass
			QPSK	25	12	25.2	Pass
		MCH	PI/2 BPSK	25	12	25.3	Pass
			QPSK	25	12	25.4	Pass
		HCH	PI/2 BPSK	25	12	25.5	Pass
			QPSK	25	12	25.6	Pass
	50 MHz	LCH	PI/2 BPSK	64	32	25.7	Pass
			QPSK	64	32	25.8	Pass
		MCH	PI/2 BPSK	64	32	25.9	Pass
			QPSK	64	32	25.10	Pass
		HCH	PI/2 BPSK	64	32	25.11	Pass
			QPSK	64	32	25.12	Pass
	100 MHz	MCH	PI/2 BPSK	135	67	25.13	Pass
			QPSK	135	67	25.14	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3700-3980MHz)	20 MHz	LCH	PI/2 BPSK	25	12	26.1	Pass
			QPSK	25	12	26.2	Pass
		MCH	PI/2 BPSK	25	12	26.3	Pass
			QPSK	25	12	26.4	Pass
		HCH	PI/2 BPSK	25	12	26.5	Pass
			QPSK	25	12	26.6	Pass
	50 MHz	LCH	PI/2 BPSK	64	32	26.7	Pass
			QPSK	64	32	26.8	Pass
		MCH	PI/2 BPSK	64	32	26.9	Pass
			QPSK	64	32	26.10	Pass
		HCH	PI/2 BPSK	64	32	26.11	Pass
			QPSK	64	32	26.12	Pass
	100 MHz	LCH	PI/2 BPSK	135	67	26.13	Pass
			QPSK	135	67	26.14	Pass
		MCH	PI/2 BPSK	135	67	26.15	Pass
			QPSK	135	67	26.16	Pass
		HCH	PI/2 BPSK	135	67	26.17	Pass
			QPSK	135	67	26.18	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3450-3550MHz)	20 MHz	LCH	PI/2 BPSK	25	12	27.1	Pass
			QPSK	25	12	27.2	Pass
		MCH	PI/2 BPSK	25	12	27.3	Pass
			QPSK	25	12	27.4	Pass
		HCH	PI/2 BPSK	25	12	27.5	Pass
			QPSK	25	12	27.6	Pass
	50 MHz	LCH	PI/2 BPSK	64	32	27.7	Pass
			QPSK	64	32	27.8	Pass
		MCH	PI/2 BPSK	64	32	27.9	Pass
			QPSK	64	32	27.10	Pass
		HCH	PI/2 BPSK	64	32	27.11	Pass
			QPSK	64	32	27.12	Pass
	100 MHz	MCH	PI/2 BPSK	135	67	27.13	Pass
			QPSK	135	67	27.14	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3700-3800MHz)	20 MHz	LCH	PI/2 BPSK	25	12	28.1	Pass
			QPSK	25	12	28.2	Pass
		MCH	PI/2 BPSK	25	12	28.3	Pass
			QPSK	25	12	28.4	Pass
		HCH	PI/2 BPSK	25	12	28.5	Pass
			QPSK	25	12	28.6	Pass
	50 MHz	LCH	PI/2 BPSK	64	32	28.7	Pass
			QPSK	64	32	28.8	Pass
		MCH	PI/2 BPSK	64	32	28.9	Pass
			QPSK	64	32	28.10	Pass
		HCH	PI/2 BPSK	64	32	28.11	Pass
			QPSK	64	32	28.12	Pass
	100 MHz	MCH	PI/2 BPSK	135	67	28.13	Pass
			QPSK	135	67	28.14	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-EC21C0857-501 Data Part 4.pdf”.

GSM 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
EVDO BC0	LCH	5.1	Pass
	HCH	6.1	Pass
WCDMA Band 2	LCH	7.1	Pass
	HCH	7.2	Pass
WCDMA Band 4	LCH	8.1	Pass
	HCH	8.2	Pass
WCDMA Band 5	LCH	9.1	Pass
	HCH	9.2	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	10.1	Pass
				RB6#0	10.2	Pass
			16-QAM	RB1#0	10.3	Pass
				RB6#0	10.4	Pass
		HCH	QPSK	RB1#5	10.5	Pass
				RB6#0	10.6	Pass
			16-QAM	RB1#5	10.7	Pass
				RB6#0	10.8	Pass
	3 MHz	LCH	QPSK	RB1#0	10.9	Pass
				RB15#0	10.10	Pass
			16-QAM	RB1#0	10.11	Pass
				RB15#0	10.12	Pass
		HCH	QPSK	RB1#14	10.13	Pass
				RB15#0	10.14	Pass
			16-QAM	RB1#14	10.15	Pass
				RB15#0	10.16	Pass
	5 MHz	LCH	QPSK	RB1#0	10.17	Pass
				RB25#0	10.18	Pass
			16-QAM	RB1#0	10.19	Pass
				RB25#0	10.20	Pass
		HCH	QPSK	RB1#24	10.21	Pass
				RB25#0	10.22	Pass
			16-QAM	RB1#24	10.23	Pass
				RB25#0	10.24	Pass
	10 MHz	LCH	QPSK	RB1#0	10.25	Pass
				RB50#0	10.26	Pass
			16-QAM	RB1#0	10.27	Pass
				RB50#0	10.28	Pass
		HCH	QPSK	RB1#49	10.29	Pass
				RB50#0	10.30	Pass
			16-QAM	RB1#49	10.31	Pass
				RB50#0	10.32	Pass
	15 MHz	LCH	QPSK	RB1#0	10.33	Pass
				RB75#0	10.34	Pass
			16-QAM	RB1#0	10.35	Pass
				RB75#0	10.36	Pass
		HCH	QPSK	RB1#74	10.37	Pass
				RB75#0	10.38	Pass
			16-QAM	RB1#74	10.39	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
	20 MHz	LCH	QPSK	RB75#0	10.40	Pass
				RB1#0	10.41	Pass
			RB100#0	10.42	Pass	
			16-QAM	RB1#0	10.43	Pass
		HCH	QPSK	RB100#0	10.44	Pass
				RB1#99	10.45	Pass
			16-QAM	RB100#0	10.46	Pass
				RB1#99	10.47	Pass
RB100#0	10.48	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	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	

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict	
		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	
				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 5	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
Band 7	5 MHz	LCH	QPSK	RB1#0	13.1	Pass
				RB25#0	13.2	Pass
			16-QAM	RB1#0	13.3	Pass
				RB25#0	13.4	Pass
		HCH	QPSK	RB1#24	13.5	Pass
				RB25#0	13.6	Pass
			16-QAM	RB1#24	13.7	Pass
				RB25#0	13.8	Pass
	10 MHz	LCH	QPSK	RB1#0	13.9	Pass
				RB50#0	13.10	Pass
			16-QAM	RB1#0	13.11	Pass
				RB50#0	13.12	Pass
		HCH	QPSK	RB1#49	13.13	Pass
				RB50#0	13.14	Pass
			16-QAM	RB1#49	13.15	Pass
				RB50#0	13.16	Pass
	15 MHz	LCH	QPSK	RB1#0	13.17	Pass
				RB75#0	13.18	Pass
			16-QAM	RB1#0	13.19	Pass
				RB75#0	13.20	Pass
		HCH	QPSK	RB1#74	13.21	Pass
				RB75#0	13.22	Pass
			16-QAM	RB1#74	13.23	Pass
				RB75#0	13.24	Pass
	20 MHz	LCH	QPSK	RB1#0	13.25	Pass
				RB100#0	13.26	Pass
			16-QAM	RB1#0	13.27	Pass
				RB100#0	13.28	Pass
		HCH	QPSK	RB1#99	13.29	Pass
				RB100#0	13.30	Pass
			16-QAM	RB1#99	13.31	Pass
				RB100#0	13.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 26 (Part22)	1.4 MHz	LCH	QPSK	RB1#0	14.1	Pass
				RB6#0	14.2	Pass
			16-QAM	RB1#0	14.3	Pass
				RB6#0	14.4	Pass
		HCH	QPSK	RB1#5	14.5	Pass
				RB6#0	14.6	Pass
			16-QAM	RB1#5	14.7	Pass
				RB6#0	14.8	Pass
	3 MHz	LCH	QPSK	RB1#0	14.9	Pass
				RB15#0	14.10	Pass
			16-QAM	RB1#0	14.11	Pass
				RB15#0	14.12	Pass
		HCH	QPSK	RB1#14	14.13	Pass
				RB15#0	14.14	Pass
			16-QAM	RB1#14	14.15	Pass
				RB15#0	14.16	Pass
	5 MHz	LCH	QPSK	RB1#0	14.17	Pass
				RB25#0	14.18	Pass
			16-QAM	RB1#0	14.19	Pass
				RB25#0	14.20	Pass
		HCH	QPSK	RB1#24	14.21	Pass
				RB25#0	14.22	Pass
			16-QAM	RB1#24	14.23	Pass
				RB25#0	14.24	Pass
	10 MHz	LCH	QPSK	RB1#0	14.25	Pass
				RB50#0	14.26	Pass
			16-QAM	RB1#0	14.27	Pass
				RB50#0	14.28	Pass
		HCH	QPSK	RB1#49	14.29	Pass
				RB50#0	14.30	Pass
			16-QAM	RB1#49	14.31	Pass
				RB50#0	14.32	Pass
15 MHz	LCH	QPSK	RB1#0	14.33	Pass	
			RB75#0	14.34	Pass	
		16-QAM	RB1#0	14.35	Pass	
			RB75#0	14.36	Pass	
	HCH	QPSK	RB1#74	14.37	Pass	
			RB75#0	14.38	Pass	
		16-QAM	RB1#74	14.39	Pass	
			RB75#0	14.40	Pass	

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}		Verdict
					In-band	Out-of-band	
Band 26 (Part90)	1.4 MHz	LCH	QPSK	RB1#0	15.1	16.1	Pass
				RB6#0	15.2	16.2	Pass
			16-QAM	RB1#0	15.3	16.3	Pass
		RB6#0		15.4	16.4	Pass	
		HCH	QPSK	RB1#5	15.5	16.5	Pass
				RB6#0	15.6	16.6	Pass
	16-QAM		RB1#5	15.7	16.7	Pass	
		RB6#0	15.8	16.8	Pass		
	3 MHz	LCH	QPSK	RB1#0	15.9	16.9	Pass
				RB15#0	15.10	16.10	Pass
			16-QAM	RB1#0	15.11	16.11	Pass
		RB15#0		15.12	16.12	Pass	
		HCH	QPSK	RB1#14	15.13	16.13	Pass
				RB15#0	15.14	16.14	Pass
	16-QAM		RB1#14	15.15	16.15	Pass	
		RB15#0	15.16	16.16	Pass		
	5 MHz	LCH	QPSK	RB1#0	15.17	16.17	Pass
				RB25#0	15.18	16.18	Pass
			16-QAM	RB1#0	15.19	16.19	Pass
		RB25#0		15.20	16.20	Pass	
		HCH	QPSK	RB1#24	15.21	16.21	Pass
				RB25#0	15.22	16.22	Pass
	16-QAM		RB1#24	15.23	16.23	Pass	
		RB25#0	15.24	16.24	Pass		
10 MHz	MCH	QPSK	RB1#0	15.25	16.25	Pass	
			RB50#0	15.26	16.26	Pass	
		16-QAM	RB1#0	15.27	16.27	Pass	
	RB50#0		15.28	16.28	Pass		
	MCH	QPSK	RB1#49	15.29	16.29	Pass	
			RB50#0	15.30	16.30	Pass	
16-QAM		RB1#49	15.31	16.31	Pass		
	RB50#0	15.32	16.32	Pass			

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note1}	Verdict
Band 38	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		
	15 MHz	LCH	QPSK	RB1#0	17.17	Pass
				RB75#0	17.18	Pass
		16-QAM	RB1#0	17.19	Pass	
			RB75#0	17.20	Pass	
		HCH	QPSK	RB1#74	17.21	Pass
				RB75#0	17.22	Pass
	16-QAM	RB1#74	17.23	Pass		
		RB75#0	17.24	Pass		
	20 MHz	LCH	QPSK	RB1#0	17.25	Pass
				RB100#0	17.26	Pass
		16-QAM	RB1#0	17.27	Pass	
			RB100#0	17.28	Pass	
		HCH	QPSK	RB1#99	17.29	Pass
				RB100#0	17.30	Pass
	16-QAM	RB1#99	17.31	Pass		
		RB100#0	17.32	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	18.1	Pass
				RB25#0	18.2	Pass
			16-QAM	RB1#0	18.3	Pass
				RB25#0	18.4	Pass
		HCH	QPSK	RB1#24	18.5	Pass
				RB25#0	18.6	Pass
			16-QAM	RB1#24	18.7	Pass
				RB25#0	18.8	Pass
	10 MHz	LCH	QPSK	RB1#0	18.9	Pass
				RB50#0	18.10	Pass
			16-QAM	RB1#0	18.11	Pass
				RB50#0	18.12	Pass
		HCH	QPSK	RB1#49	18.13	Pass
				RB50#0	18.14	Pass
			16-QAM	RB1#49	18.15	Pass
				RB50#0	18.16	Pass
	15 MHz	LCH	QPSK	RB1#0	18.17	Pass
				RB75#0	18.18	Pass
			16-QAM	RB1#0	18.19	Pass
				RB75#0	18.20	Pass
		HCH	QPSK	RB1#74	18.21	Pass
				RB75#0	18.22	Pass
			16-QAM	RB1#74	18.23	Pass
				RB75#0	18.24	Pass
	20 MHz	LCH	QPSK	RB1#0	18.25	Pass
				RB100#0	18.26	Pass
			16-QAM	RB1#0	18.27	Pass
				RB100#0	18.28	Pass
		HCH	QPSK	RB1#99	18.29	Pass
				RB100#0	18.30	Pass
			16-QAM	RB1#99	18.31	Pass
				RB100#0	18.32	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_7C							
20MHz+10MHz							
Low	QPSK	1	0	1	0	19.1	Pass
		1	0	1	49	19.2	Pass
		100	0	50	0	19.3	Pass
	16-QAM	1	0	1	0	19.4	Pass
		1	0	1	49	19.5	Pass
		100	0	50	0	19.6	Pass
High	QPSK	1	0	1	49	19.7	Pass
		1	99	1	49	19.8	Pass
		100	0	50	0	19.9	Pass
	16-QAM	1	0	1	49	19.10	Pass
		1	99	1	49	19.11	Pass
		100	0	50	0	19.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	0	19.13	Pass
		1	0	1	99	19.14	Pass
		100	0	100	0	19.15	Pass
	16-QAM	1	0	1	0	19.16	Pass
		1	0	1	99	19.17	Pass
		100	0	100	0	19.18	Pass
High	QPSK	1	0	1	99	19.19	Pass
		1	99	1	99	19.20	Pass
		100	0	100	0	19.21	Pass
	16-QAM	1	0	1	99	19.22	Pass
		1	99	1	99	19.23	Pass
		100	0	100	0	19.24	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n5	5	LCH	QPSK	1	0	20.1	Pass
				25	0	20.2	Pass
			16-QAM	1	0	20.3	Pass
				25	0	20.4	Pass
		HCH	QPSK	1	24	20.5	Pass
				25	0	20.6	Pass
			16-QAM	1	24	20.7	Pass
				25	0	20.8	Pass
	15	LCH	QPSK	1	0	20.9	Pass
				75	0	20.10	Pass
			16-QAM	1	0	20.11	Pass
				75	0	20.12	Pass
		HCH	QPSK	1	78	20.13	Pass
				75	0	20.14	Pass
			16-QAM	1	78	20.15	Pass
				75	0	20.16	Pass
	20	LCH	QPSK	1	0	20.17	Pass
				100	0	20.18	Pass
			16-QAM	1	0	20.19	Pass
				100	0	20.20	Pass
		HCH	QPSK	1	105	20.21	Pass
				100	0	20.22	Pass
			16-QAM	1	105	20.23	Pass
				100	0	20.24	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict	
n7	5	LCH	QPSK	1	0	21.1	Pass	
				25	0	21.2	Pass	
			16-QAM	1	0	21.3	Pass	
				25	0	21.4	Pass	
		HCH	QPSK	1	24	21.5	Pass	
				25	0	21.6	Pass	
			16-QAM	1	24	21.7	Pass	
				25	0	21.8	Pass	
	15	LCH	QPSK	1	0	21.9	Pass	
				75	0	21.10	Pass	
			16-QAM	1	0	21.11	Pass	
				75	0	21.12	Pass	
			HCH	QPSK	1	78	21.13	Pass
					75	0	21.14	Pass
		16-QAM		1	78	21.15	Pass	
				75	0	21.16	Pass	
		20	LCH	QPSK	1	0	21.17	Pass
					100	0	21.18	Pass
				16-QAM	1	0	21.19	Pass
					100	0	21.20	Pass
	HCH		QPSK	1	105	21.21	Pass	
				100	0	21.22	Pass	
			16-QAM	1	105	21.23	Pass	
				100	0	21.24	Pass	

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n41	20	LCH	QPSK	1	1	22.1	Pass
				50	0	22.2	Pass
		LCH	16-QAM	1	1	22.3	Pass
				50	0	22.4	Pass
		HCH	QPSK	1	49	22.5	Pass
				50	0	22.6	Pass
	HCH	16-QAM	1	49	22.7	Pass	
			50	0	22.8	Pass	
	60	LCH	QPSK	1	1	22.9	Pass
				162	0	22.10	Pass
		LCH	16-QAM	1	1	22.11	Pass
				162	0	22.12	Pass
		HCH	QPSK	1	160	22.13	Pass
				162	0	22.14	Pass
	HCH	16-QAM	1	160	22.15	Pass	
			162	0	22.16	Pass	
	100	LCH	QPSK	1	1	22.17	Pass
				273	0	22.18	Pass
		LCH	16-QAM	1	1	22.19	Pass
				273	0	22.20	Pass
		HCH	QPSK	1	271	22.21	Pass
				273	0	22.22	Pass
	HCH	16-QAM	1	271	22.23	Pass	
			273	0	22.24	Pass	

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3450-3550MHz)	20 MHz	LCH	PI/2 BPSK	1	0	23.1	Pass
				50	0	23.2	Pass
		LCH	QPSK	1	0	23.3	Pass
				50	0	23.4	Pass
		HCH	PI/2 BPSK	1	50	23.5	Pass
				50	0	23.6	Pass
	HCH	QPSK	1	50	23.7	Pass	
			50	0	23.8	Pass	
	50 MHz	LCH	PI/2 BPSK	1	0	23.9	Pass
				128	0	23.10	Pass
		LCH	QPSK	1	0	23.11	Pass
				128	0	23.12	Pass
		HCH	PI/2 BPSK	1	132	23.13	Pass
				162	0	23.14	Pass
	HCH	QPSK	1	132	23.15	Pass	
			162	0	23.16	Pass	
	100 MHz	LCH	PI/2 BPSK	1	0	23.17	Pass
				273	0	23.18	Pass
		LCH	QPSK	1	0	23.19	Pass
				273	0	23.20	Pass
		HCH	PI/2 BPSK	1	272	23.21	Pass
				273	0	23.22	Pass
	HCH	QPSK	1	272	23.23	Pass	
			273	0	23.24	Pass	

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict	
n77(3700-3980MHz)	20 MHz	LCH	PI/2 BPSK	1	0	24.1	Pass	
				50	0	24.2	Pass	
			QPSK	1	0	24.3	Pass	
				50	0	24.4	Pass	
		HCH	PI/2 BPSK	1	50	24.5	Pass	
				50	0	24.6	Pass	
			QPSK	1	50	24.7	Pass	
				50	0	24.8	Pass	
	50 MHz	LCH	PI/2 BPSK	1	0	24.9	Pass	
				128	0	24.10	Pass	
			QPSK	1	0	24.11	Pass	
				128	0	24.12	Pass	
			HCH	PI/2 BPSK	1	132	24.13	Pass
					162	0	24.14	Pass
		QPSK		1	132	24.15	Pass	
				162	0	24.16	Pass	
		100 MHz	LCH	PI/2 BPSK	1	0	24.17	Pass
					273	0	24.18	Pass
				QPSK	1	0	24.19	Pass
					273	0	24.20	Pass
	HCH		PI/2 BPSK	1	272	24.21	Pass	
				273	0	24.22	Pass	
			QPSK	1	272	24.23	Pass	
				273	0	24.24	Pass	

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3450-3550MHz)	20 MHz	LCH	PI/2 BPSK	1	0	25.1	Pass
				50	0	25.2	Pass
		LCH	QPSK	1	0	25.3	Pass
				50	0	25.4	Pass
		HCH	PI/2 BPSK	1	50	25.5	Pass
				50	0	25.6	Pass
	HCH	QPSK	1	50	25.7	Pass	
			50	0	25.8	Pass	
	50 MHz	LCH	PI/2 BPSK	1	0	25.9	Pass
				128	0	25.10	Pass
		LCH	QPSK	1	0	25.11	Pass
				128	0	25.12	Pass
		HCH	PI/2 BPSK	1	132	25.13	Pass
				128	0	25.14	Pass
	HCH	QPSK	1	132	25.15	Pass	
			128	0	25.16	Pass	
	100 MHz	LCH	PI/2 BPSK	1	0	25.17	Pass
				273	0	25.18	Pass
		LCH	QPSK	1	0	25.19	Pass
				273	0	25.20	Pass
		HCH	PI/2 BPSK	1	272	25.21	Pass
				273	0	25.22	Pass
	HCH	QPSK	1	272	25.23	Pass	
			273	0	25.24	Pass	

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3700-3800MHz)	20 MHz	LCH	PI/2 BPSK	1	0	26.1	Pass
				50	0	26.2	Pass
		LCH	QPSK	1	0	26.3	Pass
				50	0	26.4	Pass
		HCH	PI/2 BPSK	1	50	26.5	Pass
				50	0	26.6	Pass
	HCH	QPSK	1	50	26.7	Pass	
			50	0	26.8	Pass	
	50 MHz	LCH	PI/2 BPSK	1	0	26.9	Pass
				128	0	26.10	Pass
		LCH	QPSK	1	0	26.11	Pass
				128	0	26.12	Pass
		HCH	PI/2 BPSK	1	132	26.13	Pass
				128	0	26.14	Pass
	HCH	QPSK	1	132	26.15	Pass	
			128	0	26.16	Pass	
	100 MHz	LCH	PI/2 BPSK	1	0	26.17	Pass
				273	0	26.18	Pass
		LCH	QPSK	1	0	26.19	Pass
				273	0	26.20	Pass
		HCH	PI/2 BPSK	1	272	26.21	Pass
				273	0	26.22	Pass
	HCH	QPSK	1	272	26.23	Pass	
			273	0	26.24	Pass	

A.7 Field Strength of Spurious Radiation

Note 1: All modes have been tested, and only the worst case data 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-EC21C0857-501 Data Part 5.pdf".

GSM 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
EVDO BC0	LCH	5.1	Pass
	MCH	5.2	Pass
	HCH	5.3	Pass
WCDMA Band 2	LCH	6.1	Pass
	MCH	6.2	Pass
	HCH	6.3	Pass
WCDMA Band 4	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

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	9.1	Pass
	3 MHz	MCH	QPSK	RB1#0	9.2	Pass
	5 MHz	MCH	QPSK	RB1#0	9.3	Pass
	10 MHz	MCH	QPSK	RB1#0	9.4	Pass
	15 MHz	MCH	QPSK	RB1#0	9.5	Pass
	20 MHz	MCH	QPSK	RB1#0	9.6	Pass
Band 4	1.4 MHz	MCH	QPSK	RB1#0	10.1	Pass
	3 MHz	MCH	QPSK	RB1#0	10.2	Pass
	5 MHz	MCH	QPSK	RB1#0	10.3	Pass
	10 MHz	MCH	QPSK	RB1#0	10.4	Pass
	15 MHz	MCH	QPSK	RB1#0	10.5	Pass
	20 MHz	MCH	QPSK	RB1#0	10.6	Pass
Band 5	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
Band 7	5 MHz	MCH	QPSK	RB1#0	12.1	Pass
	10 MHz	MCH	QPSK	RB1#0	12.2	Pass
	15 MHz	MCH	QPSK	RB1#0	12.3	Pass
	20 MHz	MCH	QPSK	RB1#0	12.4	Pass
Band 12	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	13.4	Pass
	10 MHz	MCH	QPSK	RB1#0	13.5	Pass
Band 17	5 MHz	MCH	QPSK	RB1#0	14.1	Pass
	10 MHz	MCH	QPSK	RB1#0	14.2	Pass
Band 26 (Part22)	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
	15 MHz	MCH	QPSK	RB1#0	15.5	Pass
Band 26 (Part90)	1.4 MHz	MCH	QPSK	RB1#0	16.1	Pass
	3 MHz	MCH	QPSK	RB1#0	16.2	Pass
	5 MHz	MCH	QPSK	RB1#0	16.3	Pass
	10 MHz	MCH	QPSK	RB1#0	16.4	Pass
Band 38	5 MHz	MCH	QPSK	RB1#0	17.1	Pass
	10 MHz	MCH	QPSK	RB1#0	17.2	Pass
	15 MHz	MCH	QPSK	RB1#0	17.3	Pass
	20 MHz	MCH	QPSK	RB1#0	17.4	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Refer to Plot ^{Note3}	Verdict
Band 41	5 MHz	MCH	QPSK	RB1#0	18.1	Pass
	10 MHz	MCH	QPSK	RB1#0	18.2	Pass
	15 MHz	MCH	QPSK	RB1#0	18.3	Pass
	20 MHz	MCH	QPSK	RB1#0	18.4	Pass

Test Channel	Modulation	PCC RB		SCC RB		Refer to Plot ^{Note2}	Verdict
		Size	Offset	Size	Offset		
CA_7C							
20MHz+10MHz							
Low	QPSK	1	0	1	49	19.1	Pass
		100	0	50	0	19.2	Pass
	16QAM	1	0	1	49	19.3	Pass
		100	0	50	0	19.4	Pass
Mid	QPSK	1	0	1	49	19.5	Pass
		100	0	50	0	19.6	Pass
	16QAM	1	0	1	49	19.7	Pass
		100	0	50	0	19.8	Pass
High	QPSK	1	0	1	49	19.9	Pass
		100	0	50	0	19.10	Pass
	16QAM	1	0	1	49	19.11	Pass
		100	0	50	0	19.12	Pass
20MHz+20MHz							
Low	QPSK	1	0	1	99	19.13	Pass
		100	0	100	0	19.14	Pass
	16QAM	1	0	1	99	19.15	Pass
		100	0	100	0	19.16	Pass
Mid	QPSK	1	0	1	99	19.17	Pass
		100	0	100	0	19.18	Pass
	16QAM	1	0	1	99	19.19	Pass
		100	0	100	0	19.20	Pass
High	QPSK	1	0	1	99	19.21	Pass
		100	0	100	0	19.22	Pass
	16QAM	1	0	1	99	19.23	Pass
		100	0	100	0	19.24	Pass

NR Mode Test Verdict

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n5	5	MCH	PI/2 BPSK	12	6	20.1	Pass
			QPSK	12	6	20.2	Pass
	15	MCH	PI/2 BPSK	36	18	20.3	Pass
			QPSK	36	18	20.4	Pass
	20	MCH	PI/2 BPSK	50	25	20.5	Pass
			QPSK	50	25	20.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n7	5	MCH	PI/2 BPSK	12	6	21.1	Pass
			QPSK	12	6	21.2	Pass
	15	MCH	PI/2 BPSK	36	18	21.3	Pass
			QPSK	36	18	21.4	Pass
	20	MCH	PI/2 BPSK	50	25	21.5	Pass
			QPSK	50	25	21.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n41	20	MCH	PI/2 BPSK	25	12	22.1	Pass
			QPSK	25	12	22.2	Pass
	60	MCH	PI/2 BPSK	81	40	22.3	Pass
			QPSK	81	40	22.4	Pass
	100	MCH	PI/2 BPSK	135	67	22.5	Pass
			QPSK	135	67	22.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3450-3550MHz)	20	MCH	PI/2 BPSK	25	12	23.1	Pass
			QPSK	25	12	23.2	Pass
	50	MCH	PI/2 BPSK	64	32	23.3	Pass
			QPSK	64	32	23.4	Pass
	100	MCH	PI/2 BPSK	135	67	23.5	Pass
			QPSK	135	67	23.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n77(3700-3980MHz)	20	MCH	PI/2 BPSK	25	12	24.1	Pass
			QPSK	25	12	24.2	Pass
	50	MCH	PI/2 BPSK	64	32	24.3	Pass
			QPSK	64	32	24.4	Pass
	100	MCH	PI/2 BPSK	135	67	24.5	Pass
			QPSK	135	67	24.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3450-3550MHz)	20	MCH	PI/2 BPSK	25	12	25.1	Pass
			QPSK	25	12	25.2	Pass
	50	MCH	PI/2 BPSK	64	32	25.3	Pass
			QPSK	64	32	25.4	Pass
	100	MCH	PI/2 BPSK	135	67	25.5	Pass
			QPSK	135	67	25.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
n78(3700-3800MHz)	20	MCH	PI/2 BPSK	25	12	26.1	Pass
			QPSK	25	12	26.2	Pass
	50	MCH	PI/2 BPSK	64	32	26.3	Pass
			QPSK	64	32	26.4	Pass
	100	MCH	PI/2 BPSK	135	67	26.5	Pass
			QPSK	135	67	26.6	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_5A_n78A(3450-3550M Hz)	10MHz(LTE)+100MHz(NR)	HCH	QPSK	50	0	1	0	27.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_5A_n78A(3700-3800M Hz)	10MHz(LTE)+100MHz(NR)	HCH	QPSK	50	0	1	0	28.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_7A_n78A(3450-3550M Hz)	20MHz(LTE)+100MHz(NR)	HCH	QPSK	100	0	1	0	29.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_7A_n78A(3700-3800M Hz)	20MHz(LTE)+100MHz(NR)	HCH	QPSK	100	0	1	0	30.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_38 A_n78 A(3450 - 3550M Hz)	20MHz(LT E)+100MH z(NR)	HCH	QPSK	100	0	1	0	31.1	Pass

Test Band	NR Test Bandwidth (MHz)	Test Channel	Test Mode	LTE UL RB No.	LTE UL RB Pos.	NR UL RB No.	NR UL RB Pos.	Refer to Plot ^{Note3}	Verdict
DC_38 A_n78 A(700- 3800M Hz)	20MHz(LT E)+100MH z(NR)	HCH	QPSK	100	0	1	0	32.1	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL-EC21C0857-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL-EC21C0857-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL-EC21C0857-AI.PDF”.

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