

TEST REPORT

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20MHz	High	QPSK	RB1#0	0.71	17.8	18.51	0.07	2	PASS
			RB75#0	0.48	17.8	18.28	0.07	2	PASS
		16QAM	RB1#0	1.21	17.8	19.01	0.08	2	PASS
			RB75#0	0.83	17.8	18.63	0.07	2	PASS
	Low	QPSK	RB1#0	1.32	17.8	19.12	0.08	2	PASS
			RB100#0	0.06	17.8	17.86	0.06	2	PASS
		16QAM	RB1#0	0.66	17.8	18.46	0.07	2	PASS
			RB100#0	-0.26	17.8	17.54	0.06	2	PASS
	Middle	QPSK	RB1#0	0.91	17.8	18.71	0.07	2	PASS
			RB100#0	0.55	17.8	18.35	0.07	2	PASS
		16QAM	RB1#0	0.41	17.8	18.21	0.07	2	PASS
			RB100#0	-0.35	17.8	17.45	0.06	2	PASS
	High	QPSK	RB1#0	1.05	17.8	18.85	0.08	2	PASS
			RB100#0	0.68	17.8	18.48	0.07	2	PASS
		16QAM	RB1#0	1.19	17.8	18.99	0.08	2	PASS
			RB100#0	0.42	17.8	18.22	0.07	2	PASS

FDD LTE Band 4									
Test BW	CH	Modul.	RB Set (Size#Offset)	Measured EIRP				Limit (W)	Verdict
				SA Read Value (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)		
1.4 MHz	Low	QPSK	RB1#0	5.5	14.4	19.90	0.10	1	PASS
			RB6#0	4.92	14.4	19.32	0.09	1	PASS
		16QAM	RB1#0	5.53	14.4	19.93	0.10	1	PASS
			RB6#0	4.67	14.4	19.07	0.08	1	PASS
	Middle	QPSK	RB1#0	5.36	14.4	19.76	0.09	1	PASS
			RB6#0	5.29	14.4	19.69	0.09	1	PASS
		16QAM	RB1#0	5.28	14.4	19.68	0.09	1	PASS
			RB6#0	4.59	14.4	18.99	0.08	1	PASS
	High	QPSK	RB1#0	5.61	14.4	20.01	0.10	1	PASS
			RB6#0	4.55	14.4	18.95	0.08	1	PASS
		16QAM	RB1#0	5.57	14.4	19.97	0.10	1	PASS
			RB6#0	4.63	14.4	19.03	0.08	1	PASS
3 MHz	Low	QPSK	RB1#0	5.89	14.4	20.29	0.11	1	PASS
			RB15#0	4.92	14.4	19.32	0.09	1	PASS
		16QAM	RB1#0	5.67	14.4	20.07	0.10	1	PASS
			RB15#0	4.8	14.4	19.20	0.08	1	PASS
	Middle	QPSK	RB1#0	5.49	14.4	19.89	0.10	1	PASS
			RB15#0	5.31	14.4	19.71	0.09	1	PASS

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		16QAM	RB1#0	5.18	14.4	19.58	0.09	1	PASS
			RB15#0	4.19	14.4	18.59	0.07	1	PASS
	High	QPSK	RB1#0	5.9	14.4	20.30	0.11	1	PASS
			RB15#0	4.43	14.4	18.83	0.08	1	PASS
		16QAM	RB1#0	5.63	14.4	20.03	0.10	1	PASS
			RB15#0	4.33	14.4	18.73	0.07	1	PASS
5 MHz	Low	QPSK	RB1#0	6.05	14.4	20.45	0.11	1	PASS
			RB25#0	5.26	14.4	19.66	0.09	1	PASS
		16QAM	RB1#0	6.04	14.4	20.44	0.11	1	PASS
			RB25#0	4.39	14.4	18.79	0.08	1	PASS
	Middle	QPSK	RB1#0	5.84	14.4	20.24	0.11	1	PASS
			RB25#0	5.27	14.4	19.67	0.09	1	PASS
		16QAM	RB1#0	5.47	14.4	19.87	0.10	1	PASS
			RB25#0	4.9	14.4	19.30	0.09	1	PASS
	High	QPSK	RB1#0	5.7	14.4	20.10	0.10	1	PASS
			RB25#0	4.15	14.4	18.55	0.07	1	PASS
		16QAM	RB1#0	5.62	14.4	20.02	0.10	1	PASS
			RB25#0	4.98	14.4	19.38	0.09	1	PASS
10 MHz	Low	QPSK	RB1#0	5.6	14.4	20.00	0.10	1	PASS
			RB50#0	5.01	14.4	19.41	0.09	1	PASS
		16QAM	RB1#0	5.8	14.4	20.20	0.10	1	PASS
			RB50#0	5.06	14.4	19.46	0.09	1	PASS
	Middle	QPSK	RB1#0	6.01	14.4	20.41	0.11	1	PASS
			RB50#0	4.96	14.4	19.36	0.09	1	PASS
		16QAM	RB1#0	5.6	14.4	20.00	0.10	1	PASS
			RB50#0	4.47	14.4	18.87	0.08	1	PASS
	High	QPSK	RB1#0	5.71	14.4	20.11	0.10	1	PASS
			RB50#0	4.71	14.4	19.11	0.08	1	PASS
		16QAM	RB1#0	6.1	14.4	20.50	0.11	1	PASS
			RB50#0	4.73	14.4	19.13	0.08	1	PASS
15 MHz	Low	QPSK	RB1#0	5.85	14.4	20.25	0.11	1	PASS
			RB75#0	5.57	14.4	19.97	0.10	1	PASS
		16QAM	RB1#0	4.79	14.4	19.19	0.08	1	PASS
			RB75#0	5.96	14.4	20.36	0.11	1	PASS
	Middle	QPSK	RB1#0	5.1	14.4	19.50	0.09	1	PASS
			RB75#0	5.07	14.4	19.47	0.09	1	PASS
		16QAM	RB1#0	4.89	14.4	19.29	0.08	1	PASS
			RB75#0	5.76	14.4	20.16	0.10	1	PASS
	High	QPSK	RB1#0	4.74	14.4	19.14	0.08	1	PASS
			RB75#0	5.87	14.4	20.27	0.11	1	PASS

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		16QAM	RB1#0	4.44	14.4	18.84	0.08	1	PASS
			RB75#0	5.59	14.4	19.99	0.10	1	PASS
20MHz	Low	QPSK	RB1#0	4.97	14.4	19.37	0.09	1	PASS
			RB100#0	5.45	14.4	19.85	0.10	1	PASS
		16QAM	RB1#0	4.71	14.4	19.11	0.08	1	PASS
			RB100#0	5.56	14.4	19.96	0.10	1	PASS
	Middle	QPSK	RB1#0	5.27	14.4	19.67	0.09	1	PASS
			RB100#0	5.32	14.4	19.72	0.09	1	PASS
		16QAM	RB1#0	4.61	14.4	19.01	0.08	1	PASS
			RB100#0	5.65	14.4	20.05	0.10	1	PASS
	High	QPSK	RB1#0	4.5	14.4	18.90	0.08	1	PASS
			RB100#0	5.71	14.4	20.11	0.10	1	PASS
		16QAM	RB1#0	4.78	14.4	19.18	0.08	1	PASS
			RB100#0	4.73	14.4	19.13	0.08	1	PASS

FDD LTE Band 5									
Test BW	CH	Modul.	RB Set (Size#Offset)	Measured ERP				Limit (W)	Verdict
				SA Read Value (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)		
1.4 MHz	Low	QPSK	RB1#0	8.57	9.83	18.40	0.07	7	PASS
			RB6#0	7.61	9.83	17.44	0.06	7	PASS
		16QAM	RB1#0	8.12	9.83	17.95	0.06	7	PASS
			RB6#0	7.55	9.83	17.38	0.05	7	PASS
	Middle	QPSK	RB1#0	7.87	9.83	17.70	0.06	7	PASS
			RB6#0	7.47	9.83	17.30	0.05	7	PASS
		16QAM	RB1#0	7.5	9.83	17.33	0.05	7	PASS
			RB6#0	7.91	9.83	17.74	0.06	7	PASS
	High	QPSK	RB1#0	8.52	9.83	18.35	0.07	7	PASS
			RB6#0	7.35	9.83	17.18	0.05	7	PASS
		16QAM	RB1#0	8.4	9.83	18.23	0.07	7	PASS
			RB6#0	8.03	9.83	17.86	0.06	7	PASS
3 MHz	Low	QPSK	RB1#0	8.18	9.83	18.01	0.06	7	PASS
			RB15#0	7.38	9.83	17.21	0.05	7	PASS
		16QAM	RB1#0	8.15	9.83	17.98	0.06	7	PASS
			RB15#0	7.6	9.83	17.43	0.06	7	PASS
	Middle	QPSK	RB1#0	8.4	9.83	18.23	0.07	7	PASS
			RB15#0	7.53	9.83	17.36	0.05	7	PASS
		16QAM	RB1#0	7.61	9.83	17.44	0.06	7	PASS
			RB15#0	8.06	9.83	17.89	0.06	7	PASS

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	High	QPSK	RB1#0	8.13	9.83	17.96	0.06	7	PASS
			RB15#0	7.49	9.83	17.32	0.05	7	PASS
		16QAM	RB1#0	8.13	9.83	17.96	0.06	7	PASS
			RB15#0	7.78	9.83	17.61	0.06	7	PASS
5 MHz	Low	QPSK	RB1#0	8.26	9.83	18.09	0.06	7	PASS
			RB25#0	7.2	9.83	17.03	0.05	7	PASS
		16QAM	RB1#0	8.04	9.83	17.87	0.06	7	PASS
			RB25#0	7.83	9.83	17.66	0.06	7	PASS
	Middle	QPSK	RB1#0	8.01	9.83	17.84	0.06	7	PASS
			RB25#0	7.47	9.83	17.30	0.05	7	PASS
		16QAM	RB1#0	7.4	9.83	17.23	0.05	7	PASS
			RB25#0	7.49	9.83	17.32	0.05	7	PASS
	High	QPSK	RB1#0	7.86	9.83	17.69	0.06	7	PASS
			RB25#0	7.97	9.83	17.80	0.06	7	PASS
		16QAM	RB1#0	8.15	9.83	17.98	0.06	7	PASS
			RB25#0	7.69	9.83	17.52	0.06	7	PASS
10 MHz	Low	QPSK	RB1#0	8.16	9.83	17.99	0.06	7	PASS
			RB50#0	7.34	9.83	17.17	0.05	7	PASS
		16QAM	RB1#0	8.53	9.83	18.36	0.07	7	PASS
			RB50#0	7.8	9.83	17.63	0.06	7	PASS
	Middle	QPSK	RB1#0	8.68	9.83	18.51	0.07	7	PASS
			RB50#0	7.57	9.83	17.40	0.05	7	PASS
		16QAM	RB1#0	7.71	9.83	17.54	0.06	7	PASS
			RB50#0	8.25	9.83	18.08	0.06	7	PASS
	High	QPSK	RB1#0	8.39	9.83	18.22	0.07	7	PASS
			RB50#0	7.7	9.83	17.53	0.06	7	PASS
		16QAM	RB1#0	7.96	9.83	17.79	0.06	7	PASS
			RB50#0	7.78	9.83	17.61	0.06	7	PASS

FDD LTE Band 7									
Test BW	CH	Modul.	RB Set (Size#Offset)	Measured EIRP				Limit (W)	Verdict
				SA Read Value (dBm)	Correction Factor (dB)	EIRP (dBm)	EIRP (W)		
5 MHz	Low	QPSK	RB1#0	1.21	19.5	20.71	0.12	2	PASS
			RB25#0	0.18	19.5	19.68	0.09	2	PASS
		16QAM	RB1#0	0.87	19.5	20.37	0.11	2	PASS
			RB25#0	0.01	19.5	19.51	0.09	2	PASS
	Middle	QPSK	RB1#0	1.1	19.5	20.60	0.11	2	PASS
			RB25#0	0.13	19.5	19.63	0.09	2	PASS

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		16QAM	RB1#0	0.57	19.5	20.07	0.10	2	PASS
			RB25#0	-0.48	19.5	19.02	0.08	2	PASS
	High	QPSK	RB1#0	0.99	19.5	20.49	0.11	2	PASS
			RB25#0	0.49	19.5	19.99	0.10	2	PASS
		16QAM	RB1#0	1.34	19.5	20.84	0.12	2	PASS
			RB25#0	0.5	19.5	20.00	0.10	2	PASS
10 MHz	Low	QPSK	RB1#0	1.1	19.5	20.60	0.11	2	PASS
			RB50#0	0.26	19.5	19.76	0.09	2	PASS
		16QAM	RB1#0	1.12	19.5	20.62	0.12	2	PASS
			RB50#0	0.46	19.5	19.96	0.10	2	PASS
	Middle	QPSK	RB1#0	0.75	19.5	20.25	0.11	2	PASS
			RB50#0	0.29	19.5	19.79	0.10	2	PASS
		16QAM	RB1#0	0.16	19.5	19.66	0.09	2	PASS
			RB50#0	-0.51	19.5	18.99	0.08	2	PASS
	High	QPSK	RB1#0	0.81	19.5	20.31	0.11	2	PASS
			RB50#0	0.49	19.5	19.99	0.10	2	PASS
		16QAM	RB1#0	1.23	19.5	20.73	0.12	2	PASS
			RB50#0	0.74	19.5	20.24	0.11	2	PASS
15 MHz	Low	QPSK	RB1#0	1.4	19.5	20.90	0.12	2	PASS
			RB75#0	0.47	19.5	19.97	0.10	2	PASS
		16QAM	RB1#0	0.68	19.5	20.18	0.10	2	PASS
			RB75#0	0.37	19.5	19.87	0.10	2	PASS
	Middle	QPSK	RB1#0	1.15	19.5	20.65	0.12	2	PASS
			RB75#0	0.22	19.5	19.72	0.09	2	PASS
		16QAM	RB1#0	0.37	19.5	19.87	0.10	2	PASS
			RB75#0	-0.29	19.5	19.21	0.08	2	PASS
	High	QPSK	RB1#0	1.35	19.5	20.85	0.12	2	PASS
			RB75#0	0.72	19.5	20.22	0.11	2	PASS
		16QAM	RB1#0	1.25	19.5	20.75	0.12	2	PASS
			RB75#0	0.62	19.5	20.12	0.10	2	PASS
20MHz	Low	QPSK	RB1#0	1.13	19.5	20.63	0.12	2	PASS
			RB100#0	0.43	19.5	19.93	0.10	2	PASS
		16QAM	RB1#0	0.9	19.5	20.40	0.11	2	PASS
			RB100#0	0.07	19.5	19.57	0.09	2	PASS
	Middle	QPSK	RB1#0	1.16	19.5	20.66	0.12	2	PASS
			RB100#0	0.53	19.5	20.03	0.10	2	PASS
		16QAM	RB1#0	0.25	19.5	19.75	0.09	2	PASS
			RB100#0	-0.35	19.5	19.15	0.08	2	PASS
	High	QPSK	RB1#0	0.97	19.5	20.47	0.11	2	PASS
			RB100#0	0.37	19.5	19.87	0.10	2	PASS

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		16QAM	RB1#0	0.93	19.5	20.43	0.11	2	PASS
			RB100#0	0.66	19.5	20.16	0.10	2	PASS

FDD LTE Band 17									
Test BW	CH	Modul.	RB Set (Size#Offset)	Measured ERP				Limit (W)	Verdict
				SA Read Value (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (W)		
5 MHz	Low	QPSK	RB1#0	10.16	8.1	18.26	0.07	3	PASS
			RB25#0	9.3	8.1	17.40	0.05	3	PASS
		16QAM	RB1#0	9.29	8.1	17.39	0.05	3	PASS
			RB25#0	8.59	8.1	16.69	0.05	3	PASS
	Middle	QPSK	RB1#0	9.77	8.1	17.87	0.06	3	PASS
			RB25#0	9.52	8.1	17.62	0.06	3	PASS
		16QAM	RB1#0	8.31	8.1	16.41	0.04	3	PASS
			RB25#0	8.6	8.1	16.70	0.05	3	PASS
	High	QPSK	RB1#0	9.84	8.1	17.94	0.06	3	PASS
			RB25#0	9.67	8.1	17.77	0.06	3	PASS
		16QAM	RB1#0	9.19	8.1	17.29	0.05	3	PASS
			RB25#0	8.71	8.1	16.81	0.05	3	PASS
10 MHz	Low	QPSK	RB1#0	10.03	8.1	18.13	0.07	3	PASS
			RB50#0	9.15	8.1	17.25	0.05	3	PASS
		16QAM	RB1#0	8.75	8.1	16.85	0.05	3	PASS
			RB50#0	8.34	8.1	16.44	0.04	3	PASS
	Middle	QPSK	RB1#0	10.05	8.1	18.15	0.07	3	PASS
			RB50#0	9.1	8.1	17.20	0.05	3	PASS
		16QAM	RB1#0	8.42	8.1	16.52	0.04	3	PASS
			RB50#0	8.84	8.1	16.94	0.05	3	PASS
	High	QPSK	RB1#0	10.15	8.1	18.25	0.07	3	PASS
			RB50#0	9.45	8.1	17.55	0.06	3	PASS
		16QAM	RB1#0	8.84	8.1	16.94	0.05	3	PASS
			RB50#0	8.87	8.1	16.97	0.05	3	PASS

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5.1.2 Peak to Average Ratio

Note(s):

1. For GSM, GPRS and EGPRS, there are peak power to demonstrate compliance, PAR measurements are not required.
2. Test plots please refer to the document "Annex No: EXHIBIT A of SHE19090021-01IE.pdf".

Peak to Average Ratio Measurement Results for WCDMA

Test Band	Channel	Peak to Average Ratio (dB)	Limit (W)	Refer to Plot ^{Note 2}	Verdict
WCDMA Band II	Low	2.94	13	1.1	PASS
	Middle	2.90	13	1.2	PASS
	High	2.87	13	1.3	PASS

Peak to Average Ratio Measurement Results for LTE

FDD LTE Band 2							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
20 MHz	Low	QPSK	RB1#0	4.01	13	2.1	PASS
			RB100#0	4.73	13	2.2	PASS
		16QAM	RB1#0	4.86	13	2.3	PASS
			RB100#0	5.56	13	2.4	PASS
	Middle	QPSK	RB1#0	3.91	13	2.5	PASS
			RB100#0	4.88	13	2.6	PASS
		16QAM	RB1#0	4.83	13	2.7	PASS
			RB100#0	5.74	13	2.8	PASS
	High	QPSK	RB1#0	3.59	13	2.9	PASS
			RB100#0	4.50	13	2.10	PASS
		16QAM	RB1#0	4.65	13	2.11	PASS
			RB100#0	5.30	13	2.12	PASS

FDD LTE Band 4							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
20 MHz	Low	QPSK	RB1#0	4.06	13	3.1	PASS
			RB100#0	4.75	13	3.2	PASS
		16QAM	RB1#0	4.85	13	3.3	PASS
			RB100#0	5.61	13	3.4	PASS
	Middle	QPSK	RB1#0	3.90	13	3.5	PASS

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		16QAM	RB100#0	4.73	13	3.6	PASS
			RB1#0	4.86	13	3.7	PASS
			RB100#0	5.53	13	3.8	PASS
	High	QPSK	RB1#0	3.57	13	3.9	PASS
			RB100#0	4.76	13	3.10	PASS
		16QAM	RB1#0	4.68	13	3.11	PASS
			RB100#0	5.56	13	3.12	PASS

FDD LTE Band 5							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
10 MHz	Low	QPSK	RB1#0	3.46	13	4.1	PASS
			RB50#0	4.98	13	4.2	PASS
		16QAM	RB1#0	4.22	13	4.3	PASS
			RB50#0	5.73	13	4.4	PASS
	Middle	QPSK	RB1#0	3.47	13	4.5	PASS
			RB50#0	4.85	13	4.6	PASS
		16QAM	RB1#0	4.37	13	4.7	PASS
			RB50#0	5.73	13	4.8	PASS
	High	QPSK	RB1#0	3.46	13	4.9	PASS
			RB50#0	4.94	13	4.10	PASS
		16QAM	RB1#0	4.37	13	4.11	PASS
			RB50#0	5.73	13	4.12	PASS

FDD LTE Band 7							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
20 MHz	Low	QPSK	RB1#0	3.91	13	5.1	PASS
			RB100#0	4.42	13	5.2	PASS
		16QAM	RB1#0	4.60	13	5.3	PASS
			RB100#0	5.36	13	5.4	PASS
	Middle	QPSK	RB1#0	4.27	13	5.5	PASS
			RB100#0	4.28	13	5.6	PASS
		16QAM	RB1#0	5.23	13	5.7	PASS
			RB100#0	5.12	13	5.8	PASS
	High	QPSK	RB1#0	4.28	13	5.9	PASS
			RB100#0	4.18	13	5.10	PASS
		16QAM	RB1#0	5.27	13	5.11	PASS

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			RB100#0	4.96	13	5.12	PASS
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FDD LTE Band 17							
Test BW	Channel	Modul.	RB Set (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot ^{Note 2}	Verdict
10 MHz	Low	QPSK	RB1#0	4.22	13	6.1	PASS
			RB50#0	5.14	13	6.2	PASS
		16QAM	RB1#0	5.18	13	6.3	PASS
			RB50#0	5.95	13	6.4	PASS
	Middle	QPSK	RB1#0	4.19	13	6.5	PASS
			RB50#0	5.07	13	6.6	PASS
		16QAM	RB1#0	5.22	13	6.7	PASS
			RB50#0	5.97	13	6.8	PASS
	High	QPSK	RB1#0	4.19	13	6.9	PASS
			RB50#0	5.03	13	6.10	PASS
		16QAM	RB1#0	5.27	13	6.11	PASS
			RB50#0	5.96	13	6.12	PASS

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5.1.3 Occupied Bandwidth

Note(s):

1. All modes were tested, but only the typical data were reported in this report.
2. Test plots please refer to the document "Annex No: EXHIBIT B of SHE19090021-01IE.pdf".

Occupied Bandwidth Measurement Results for GSM/WCDMA/CDMA

Test Band	Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot ^{Note 2}
GSM 850	Low	0.25	0.31	1.1
	Middle	0.24	0.32	1.2
	High	0.24	0.31	1.3
GSM 1900	Low	0.24	0.31	2.1
	Middle	0.24	0.31	2.2
	High	0.25	0.30	2.3
EDGE 850	Low	0.25	0.31	3.1
	Middle	0.24	0.31	3.2
	High	0.24	0.31	3.3
EDGE 1900	Low	0.24	0.31	4.1
	Middle	0.24	0.31	4.2
	High	0.24	0.31	4.3
WCDMA Band II	Low	4.12	4.71	5.1
	Middle	4.12	4.72	5.2
	High	4.12	4.71	5.3
WCDMA Band V	Low	4.13	4.72	6.1
	Middle	4.11	4.71	6.2
	High	4.12	4.71	6.3
CDMA BC0	Low	1.28	1.43	7.1
	Middle	1.27	1.42	7.2
	High	1.27	1.43	7.3
EVDO BC0	Low	1.27	1.42	8.1
	Middle	1.27	1.42	8.2
	High	1.27	1.42	8.3

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Occupied Bandwidth Measurement Results for LTE

FDD LTE Band 2						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.09	1.30	9.1
		16QAM	RB6#0	1.09	1.30	9.2
	Middle	QPSK	RB6#0	1.09	1.33	9.3
		16QAM	RB6#0	1.09	1.29	9.4
	High	QPSK	RB6#0	1.10	1.32	9.5
		16QAM	RB6#0	1.09	1.31	9.6
3 MHz	Low	QPSK	RB15#0	2.70	2.97	9.7
		16QAM	RB15#0	2.71	2.99	9.8
	Middle	QPSK	RB15#0	2.70	3.01	9.9
		16QAM	RB15#0	2.70	3.00	9.10
	High	QPSK	RB15#0	2.71	2.99	9.11
		16QAM	RB15#0	2.70	3.00	9.12
5 MHz	Low	QPSK	RB25#0	4.51	5.01	9.13
		16QAM	RB25#0	4.50	5.01	9.14
	Middle	QPSK	RB25#0	4.50	5.00	9.15
		16QAM	RB25#0	4.50	5.01	9.16
	High	QPSK	RB25#0	4.50	5.00	9.17
		16QAM	RB25#0	4.51	5.03	9.18
10 MHz	Low	QPSK	RB50#0	8.97	9.99	9.19
		16QAM	RB50#0	8.95	9.82	9.20
	Middle	QPSK	RB50#0	8.94	9.83	9.21
		16QAM	RB50#0	8.96	9.83	9.22
	High	QPSK	RB50#0	8.96	9.88	9.23
		16QAM	RB50#0	8.94	9.86	9.24
15 MHz	Low	QPSK	RB75#0	13.44	14.78	9.25
		16QAM	RB75#0	13.44	14.65	9.26
	Middle	QPSK	RB75#0	13.40	14.59	9.27
		16QAM	RB75#0	13.44	14.65	9.28
	High	QPSK	RB75#0	13.37	14.71	9.29
		16QAM	RB75#0	13.39	14.58	9.30
20 MHz	Low	QPSK	RB100#0	17.89	19.33	9.31
		16QAM	RB100#0	17.86	19.30	9.32
	Middle	QPSK	RB100#0	17.87	19.41	9.33
		16QAM	RB100#0	17.89	19.67	9.34
	High	QPSK	RB100#0	17.85	19.51	9.35
		16QAM	RB100#0	17.83	19.46	9.36

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FDD LTE Band 4						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.09	1.33	10.1
		16QAM	RB6#0	1.10	1.30	10.2
	Middle	QPSK	RB6#0	1.09	1.32	10.3
		16QAM	RB6#0	1.09	1.31	10.4
	High	QPSK	RB6#0	1.09	1.31	10.5
		16QAM	RB6#0	1.09	1.29	10.6
3 MHz	Low	QPSK	RB15#0	2.70	2.99	10.7
		16QAM	RB15#0	2.71	2.99	10.8
	Middle	QPSK	RB15#0	2.71	3.00	10.9
		16QAM	RB15#0	2.70	3.00	10.10
	High	QPSK	RB15#0	2.70	3.00	10.11
		16QAM	RB15#0	2.70	2.99	10.12
5 MHz	Low	QPSK	RB25#0	4.51	5.01	10.13
		16QAM	RB25#0	4.50	4.98	10.14
	Middle	QPSK	RB25#0	4.50	5.01	10.15
		16QAM	RB25#0	4.51	5.01	10.16
	High	QPSK	RB25#0	4.50	4.97	10.17
		16QAM	RB25#0	4.50	5.01	10.18
10 MHz	Low	QPSK	RB50#0	8.97	9.94	10.19
		16QAM	RB50#0	8.97	9.81	10.20
	Middle	QPSK	RB50#0	8.94	9.87	10.21
		16QAM	RB50#0	8.93	9.82	10.22
	High	QPSK	RB50#0	8.96	9.83	10.23
		16QAM	RB50#0	8.96	9.90	10.24
15 MHz	Low	QPSK	RB75#0	13.43	14.77	10.25
		16QAM	RB75#0	13.41	14.59	10.26
	Middle	QPSK	RB75#0	13.39	14.65	10.27
		16QAM	RB75#0	13.40	14.61	10.28
	High	QPSK	RB75#0	13.41	14.7	10.29
		16QAM	RB75#0	13.42	14.74	10.30
20 MHz	Low	QPSK	RB100#0	17.88	19.43	10.31
		16QAM	RB100#0	17.93	19.43	10.32
	Middle	QPSK	RB100#0	17.86	19.36	10.33
		16QAM	RB100#0	17.87	19.62	10.34
	High	QPSK	RB100#0	17.91	19.56	10.35
		16QAM	RB100#0	17.91	19.51	10.36

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FDD LTE Band 5						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
1.4 MHz	Low	QPSK	RB6#0	1.09	1.30	11.1
		16QAM	RB6#0	1.09	1.30	11.2
	Middle	QPSK	RB6#0	1.09	1.30	11.3
		16QAM	RB6#0	1.09	1.28	11.4
	High	QPSK	RB6#0	1.09	1.26	11.5
		16QAM	RB6#0	1.09	1.30	11.6
3 MHz	Low	QPSK	RB15#0	2.70	2.99	11.7
		16QAM	RB15#0	2.71	2.99	11.8
	Middle	QPSK	RB15#0	2.70	2.98	11.9
		16QAM	RB15#0	2.70	2.98	11.10
	High	QPSK	RB15#0	2.70	2.99	11.11
		16QAM	RB15#0	2.70	2.99	11.12
5 MHz	Low	QPSK	RB25#0	4.51	5.02	11.13
		16QAM	RB25#0	4.50	4.98	11.14
	Middle	QPSK	RB25#0	4.49	4.99	11.15
		16QAM	RB25#0	4.49	4.99	11.16
	High	QPSK	RB25#0	4.49	4.98	11.17
		16QAM	RB25#0	4.51	5.00	11.18
10 MHz	Low	QPSK	RB50#0	8.99	9.95	11.19
		16QAM	RB50#0	8.99	9.85	11.20
	Middle	QPSK	RB50#0	8.94	9.78	11.21
		16QAM	RB50#0	8.94	9.91	11.22
	High	QPSK	RB50#0	8.97	9.84	11.23
		16QAM	RB50#0	8.97	9.89	11.24

FDD LTE Band 7						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
5 MHz	Low	QPSK	RB25#0	4.51	5.03	12.1
		16QAM	RB25#0	4.50	4.99	12.2
	Middle	QPSK	RB25#0	4.50	5.03	12.3
		16QAM	RB25#0	4.52	5.05	12.4
	High	QPSK	RB25#0	4.49	5.04	12.5
		16QAM	RB25#0	4.52	5.07	12.6
10 MHz	Low	QPSK	RB50#0	8.98	10.01	12.7
		16QAM	RB50#0	8.98	9.87	12.8

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	Middle	QPSK	RB50#0	8.96	9.94	12.9
		16QAM	RB50#0	8.97	9.95	12.10
	High	QPSK	RB50#0	8.97	9.93	12.11
		16QAM	RB50#0	8.97	9.93	12.12
15 MHz	Low	QPSK	RB75#0	13.44	14.83	12.13
		16QAM	RB75#0	13.45	14.68	12.14
	Middle	QPSK	RB75#0	13.40	14.78	12.15
		16QAM	RB75#0	13.44	14.74	12.16
	High	QPSK	RB75#0	13.42	14.82	12.17
		16QAM	RB75#0	13.46	14.85	12.18
20 MHz	Low	QPSK	RB100#0	17.88	19.44	12.19
		16QAM	RB100#0	17.96	19.51	12.20
	Middle	QPSK	RB100#0	17.91	19.48	12.21
		16QAM	RB100#0	17.90	19.69	12.22
	High	QPSK	RB100#0	17.94	19.75	12.23
		16QAM	RB100#0	17.94	19.58	12.24

FDD LTE Band 17						
Test BW	CH	Modul.	RB Set (Size#Offset)	99% Occupied Bandwidth (MHz)	-26 dB Bandwidth (MHz)	Refer to Plot ^{Note 2}
5 MHz	Low	QPSK	RB25#0	4.50	4.97	13.1
		16QAM	RB25#0	4.49	4.95	13.2
	Middle	QPSK	RB25#0	4.49	5.00	13.3
		16QAM	RB25#0	4.50	4.98	13.4
	High	QPSK	RB25#0	4.49	4.95	13.5
		16QAM	RB25#0	4.50	5.01	13.6
10 MHz	Low	QPSK	RB50#0	8.96	9.93	13.7
		16QAM	RB50#0	8.96	9.79	13.8
	Middle	QPSK	RB50#0	8.93	9.87	13.9
		16QAM	RB50#0	8.93	9.82	13.10
	High	QPSK	RB50#0	8.95	9.8	13.11
		16QAM	RB50#0	8.93	9.87	13.12

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5.1.4 Frequency Stability

Frequency Stability Measurement Results for GSM/GPRS/EDGE

GSM 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2060.5	--	±2091.5	--	±2122	PASS
	-15	--		--		--		
	-10	--		--		--		
	0	12.22		-12.66		-6.67		
	10	3.43		18.92		6.26		
	20	-5.14		-4.13		0.85		
	25	8.68		13.62		8.81		
	30	2.56		2.25		6.10		
	40	7.54		-5.06		10.09		
	50	--		--		--		
3.6 V	25	5.55		-0.80		-0.54		
4.4 V	25	3.62		-17.65		-15.29		

GSM 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4625.5	--	±4700.0	--	±4774.5	PASS
	-15	--		--				
	-10	--		--				
	0	0.98		-6.12		-11.34		
	10	-15.93		-0.96		-15.24		
	20	0.52		-15.65		19.40		
	25	-8.20		-11.17		-18.14		
	30	-3.84		-0.52		-0.46		
	40	-5.75		10.13		3.19		
	50	--		--		--		
3.6 V	25	-10.37		-19.15		2.85		
4.4 V	25	13.77		-13.61		10.54		

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GPRS 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2060.5	--	±2091.5	--	±2122	PASS
	-15	--		--				
	-10	--		--				
	0	-17.71		-4.14		0.58		
	10	-3.41		-19.82		-15.06		
	20	-5.75		-1.30		19.67		
	25	22.21		20.95		22.08		
	30	1.58		11.22		10.50		
	40	-2.94		-1.18		7.03		
	50	--		--		--		
3.6 V	25	-18.35		15.88		-8.19		
4.4 V	25	-16.20		-19.57		-4.71		

GPRS 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4625.5	--	±4700.0	--	±4774.5	PASS
	-15	--		--				
	-10	--		--				
	0	11.22		-4.86		7.16		
	10	-1.18		-8.19		8.05		
	20	9.08		-4.71		-6.84		
	25	9.78		10.49		-9.23		
	30	15.88		-0.03		-16.64		
	40	-19.57		-19.76		11.88		
	50	--		--		--		
3.6 V	25	10.50		-18.36		4.59		
4.4 V	25	7.03		5.84		8.67		

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EDGE 850								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 824.2 MHz		Middle channel 836.6 MHz		High channel 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2060.5	--	±2091.5	--	±2122	PASS
	-15	--		--		--		
	-10	--		--		--		
	0	9.38		2.42		-13.02		
	10	-14.30		-15.72		-13.91		
	20	18.46		-8.19		-7.72		
	25	24.25		23.73		23.28		
	30	-13.00		-16.53		7.91		
	40	-9.00		6.94		-11.10		
	50	--		--		--		
3.6 V	25	8.22		18.62		-17.18		
4.4 V	25	11.56		-4.76		2.94		

EDGE 1900								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1850.2 MHz		Middle channel 1880 MHz		High channel 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4625.5	--	±4700.0	--	±4774.5	PASS
	-15	--		--				
	-10	--		--				
	0	0.35		-9.60		-17.35		
	10	-19.83		-0.28		-17.01		
	20	1.25		-0.33		15.79		
	25	11.11		-14.75		-17.34		
	30	-11.07		11.19		7.55		
	40	-2.74		7.85		0.86		
	50	--		--		--		
3.6 V	25	-9.04		-4.65		19.74		
4.4 V	25	7.94		-16.46		4.61		

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Frequency Stability Measurement Results for WCDMA

WCDMA Band II								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 1852.4 MHz		Middle channel 1880 MHz		High channel 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4631	--	±4700	--	±4769	PASS
	-15	--		--				
	-10	--		--				
	0	-5.63		16.73		8.71		
	10	-15.27		3.62		3.45		
	20	-18.31		-13.46		6.14		
	25	1.39		-5.75		-8.35		
	30	-12.19		18.75		-0.77		
	40	-0.85		3.25		17.00		
	50	--		--		--		
3.6 V	25	0.06		-10.27		17.75		
4.4 V	25	-9.94		0.26		2.81		

WCDMA Band V								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (°C)	Low channel 826.4 MHz		Middle channel 836.4 MHz		High channel 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2066	--	±2091	--	±2116.5	PASS
	-15	--		--				
	-10	--		--				
	0	16.28		-11.70		18.35		
	10	3.80		-9.09		10.83		
	20	-0.91		17.45		8.45		
	25	-0.02		-2.02		-3.28		
	30	-7.80		7.03		-1.80		
	40	16.10		-15.14		0.03		
	50	--		--		--		
3.6 V	25	-13.77		-7.59		14.45		
4.4 V	25	18.66		-16.05		7.05		

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Frequency Stability Measurement Results for CDMA/EVDO

CDMA BC0								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (℃)	Low channel 824.7 MHz		Middle channel 836.52 MHz		High channel 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2061.75	--	±2091.5	--	±2120.775	PASS
	-15	--		--				
	-10	--		--				
	0	-16.29		3.68		-12.98		
	10	5.41		-5.44		4.53		
	20	1.61		-3.27		16.44		
	25	0.15		-0.32		-0.29		
	30	8.23		6.99		-18.40		
	40	-13.22		2.51		-10.04		
	50	--		--		--		
3.6 V	25	-3.44		-11.45		16.39		
4.4 V	25	-1.59		12.58		-13.07		

EVDO BC0								
Test Conditions		Frequency Deviation						Verdict
Power (V)	Temperature (℃)	Low channel 824.7 MHz		Middle channel 836.52 MHz		High channel 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2061.75	--	±2091.5	--	±2120.775	PASS
	-15	--		--				
	-10	--		--				
	0	10.70		6.47		19.78		
	10	14.50		13.47		-12.87		
	20	0.30		-10.36		-10.42		
	25	0.66		0.81		0.73		
	30	11.22		16.79		-8.09		
	40	-16.67		17.63		17.53		
	50	--		--		--		
3.6 V	25	7.82		12.42		-0.55		
4.4 V	25	8.70		8.18		18.26		

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Frequency Stability Measurement Results for LTE

FDD LTE Band 2						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (℃)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 1880 MHz		Middle channel 1880 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4700	--	±4700	PASS
	-15	--		--		
	-10	--		--		
	0	-17.29		9.46		
	10	3.66		-18.38		
	20	19.26		-17.36		
	25	-2.75		-4.33		
	30	-2.76		-15.38		
	40	-15.05		5.22		
	50	--		--		
3.6 V	25	-0.50		10.87		
4.4 V	25	-5.85		1.42		

FDD LTE Band 4						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 1732.5 MHz		Middle channel 1732.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±4331.25	--	±4331.25	PASS
	-15	--		--		
	-10	--		--		
	0	-3.21		-17.71		
	10	-6.14		8.17		
	20	-13.97		-16.85		
	25	0.03		-0.27		
	30	-15.52		8.15		
	40	-19.32		-8.26		
	50	--		--		
3.6 V	25	19.95		-17.62		
4.4 V	25	-15.37		-18.82		

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FDD LTE Band 5						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 836.5 MHz		Middle channel 836.5 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±2091.25	--	±2091.25	PASS
	-15	--		--		
	-10	--		--		
	0	-11.58		5.46		
	10	2.60		10.59		
	20	-7.23		-4.02		
	25	-0.54		1.80		
	30	15.84		15.43		
	40	0.72		-18.07		
	50	--		--		
3.6 V	25	10.97		7.00		
4.4 V	25	-18.24		-6.72		

FDD LTE Band 7						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (°C)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 2535 MHz		Middle channel 2535 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±6337.5	--	±6337.5	PASS
	-15	--		--		
	-10	--		--		
	0	13.84		14.63		
	10	14.95		16.99		
	20	-17.76		-4.67		
	25	-4.89		-3.63		
	30	5.51		15.15		
	40	17.83		18.27		
	50	--		--		
3.6 V	25	8.81	±6337.5	-7.35	±6337.5	PASS
4.4 V	25	5.60		17.32		

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FDD LTE Band 17						
Test Conditions		Frequency Deviation				Verdict
Power (V)	Temperature (℃)	QPSK 10MHz		16QAM 10MHz		
		Middle channel 710 MHz		Middle channel 710 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.85 V	-20	--	±1775	--	±1775	PASS
	-15	--		--		
	-10	--		--		
	0	15.21		-7.39		
	10	-15.64		6.78		
	20	7.70		17.70		
	25	-0.51		-0.53		
	30	1.40		14.48		
	40	0.84		14.12		
	50	--		--		
3.6 V	25	-5.86	±1775	10.67	±1775	PASS
4.4 V	25	-19.70		5.51		

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5.1.5 Spurious Emission at Antenna Terminals

Note(s):

1. GSM and EGPRS modes have been verified, and only the worst data with different bandwidth for LTE are shown here.
2. The frequencies of verdict which are marked by "N/A" should be ignored because they are MS carrier frequency.
3. Test plots please refer to the document "Annex No: EXHIBIT C of SHE19090021-01IE.pdf".

Spurious Emission Measurement Results for GSM/WCDMA/CDMA

Test Band	Channel	Refer to Plot ^{Note 3}	Verdict
GSM 850	Low	1.1	PASS
	Middle	1.2	PASS
	High	1.3	PASS
GSM 1900	Low	2.1	PASS
	Middle	2.2	PASS
	High	2.3	PASS
EDGE 850	Low	3.1	PASS
	Middle	3.2	PASS
	High	3.3	PASS
EDGE 1900	Low	4.1	PASS
	Middle	4.2	PASS
	High	4.3	PASS
WCDMA Band II	Low	5.1	PASS
	Middle	5.2	PASS
	High	5.3	PASS
WCDMA Band V	Low	6.1	PASS
	Middle	6.2	PASS
	High	6.3	PASS
CDMA BC0	Low	7.1	PASS
	Middle	7.2	PASS
	High	7.3	PASS
EVDO BC0	Low	8.1	PASS
	Middle	8.2	PASS
	High	8.3	PASS

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Spurious Emission Measurement Results for LTE

FDD LTE Band 2					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{†Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	9.1	PASS
		16QAM	RB1#0	9.2	PASS
	Middle	QPSK	RB1#0	9.3	PASS
		16QAM	RB1#0	9.4	PASS
	High	QPSK	RB1#0	9.5	PASS
		16QAM	RB1#0	9.6	PASS
3 MHz	Low	QPSK	RB1#0	9.7	PASS
		16QAM	RB1#0	9.8	PASS
	Middle	QPSK	RB1#0	9.9	PASS
		16QAM	RB1#0	9.10	PASS
	High	QPSK	RB1#0	9.11	PASS
		16QAM	RB1#0	9.12	PASS
5 MHz	Low	QPSK	RB1#0	9.13	PASS
		16QAM	RB1#0	9.14	PASS
	Middle	QPSK	RB1#0	9.15	PASS
		16QAM	RB1#0	9.16	PASS
	High	QPSK	RB1#0	9.17	PASS
		16QAM	RB1#0	9.18	PASS
10 MHz	Low	QPSK	RB1#0	9.19	PASS
		16QAM	RB1#0	9.20	PASS
	Middle	QPSK	RB1#0	9.21	PASS
		16QAM	RB1#0	9.22	PASS
	High	QPSK	RB1#0	9.23	PASS
		16QAM	RB1#0	9.24	PASS
15 MHz	Low	QPSK	RB1#0	9.25	PASS
		16QAM	RB1#0	9.26	PASS
	Middle	QPSK	RB1#0	9.27	PASS
		16QAM	RB1#0	9.28	PASS
	High	QPSK	RB1#0	9.29	PASS
		16QAM	RB1#0	9.30	PASS
20 MHz	Low	QPSK	RB1#0	9.31	PASS
		16QAM	RB1#0	9.32	PASS
	Middle	QPSK	RB1#0	9.33	PASS
		16QAM	RB1#0	9.34	PASS
	High	QPSK	RB1#0	9.35	PASS
		16QAM	RB1#0	9.36	PASS

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FDD LTE Band 4					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{†Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	10.1	PASS
		16QAM	RB1#0	10.2	PASS
	Middle	QPSK	RB1#0	10.3	PASS
		16QAM	RB1#0	10.4	PASS
	High	QPSK	RB1#0	10.5	PASS
		16QAM	RB1#0	10.6	PASS
3 MHz	Low	QPSK	RB1#0	10.7	PASS
		16QAM	RB1#0	10.8	PASS
	Middle	QPSK	RB1#0	10.9	PASS
		16QAM	RB1#0	10.10	PASS
	High	QPSK	RB1#0	10.11	PASS
		16QAM	RB1#0	10.12	PASS
5 MHz	Low	QPSK	RB1#0	10.13	PASS
		16QAM	RB1#0	10.14	PASS
	Middle	QPSK	RB1#0	10.15	PASS
		16QAM	RB1#0	10.16	PASS
	High	QPSK	RB1#0	10.17	PASS
		16QAM	RB1#0	10.18	PASS
10 MHz	Low	QPSK	RB1#0	10.19	PASS
		16QAM	RB1#0	10.20	PASS
	Middle	QPSK	RB1#0	10.21	PASS
		16QAM	RB1#0	10.22	PASS
	High	QPSK	RB1#0	10.23	PASS
		16QAM	RB1#0	10.24	PASS
15 MHz	Low	QPSK	RB1#0	10.25	PASS
		16QAM	RB1#0	10.26	PASS
	Middle	QPSK	RB1#0	10.27	PASS
		16QAM	RB1#0	10.28	PASS
	High	QPSK	RB1#0	10.29	PASS
		16QAM	RB1#0	10.30	PASS
20 MHz	Low	QPSK	RB1#0	10.31	PASS
		16QAM	RB1#0	10.32	PASS
	Middle	QPSK	RB1#0	10.33	PASS
		16QAM	RB1#0	10.34	PASS
	High	QPSK	RB1#0	10.35	PASS
		16QAM	RB1#0	10.36	PASS

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FDD LTE Band 5					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
1.4 MHz	Low	QPSK	RB1#0	11.1	PASS
		16QAM	RB1#0	11.2	PASS
	Middle	QPSK	RB1#0	11.3	PASS
		16QAM	RB1#0	11.4	PASS
	High	QPSK	RB1#0	11.5	PASS
		16QAM	RB1#0	11.6	PASS
3 MHz	Low	QPSK	RB1#0	11.7	PASS
		16QAM	RB1#0	11.8	PASS
	Middle	QPSK	RB1#0	11.9	PASS
		16QAM	RB1#0	11.10	PASS
	High	QPSK	RB1#0	11.11	PASS
		16QAM	RB1#0	11.12	PASS
5 MHz	Low	QPSK	RB1#0	11.13	PASS
		16QAM	RB1#0	11.14	PASS
	Middle	QPSK	RB1#0	11.15	PASS
		16QAM	RB1#0	11.16	PASS
	High	QPSK	RB1#0	11.17	PASS
		16QAM	RB1#0	11.18	PASS
10 MHz	Low	QPSK	RB1#0	11.19	PASS
		16QAM	RB1#0	11.20	PASS
	Middle	QPSK	RB1#0	11.21	PASS
		16QAM	RB1#0	11.22	PASS
	High	QPSK	RB1#0	11.23	PASS
		16QAM	RB1#0	11.24	PASS

FDD LTE Band 7					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
5 MHz	Low	QPSK	RB1#0	12.1	PASS
		16QAM	RB1#0	12.2	PASS
	Middle	QPSK	RB1#0	12.3	PASS
		16QAM	RB1#0	12.4	PASS
	High	QPSK	RB1#0	12.5	PASS
		16QAM	RB1#0	12.6	PASS
10 MHz	Low	QPSK	RB1#0	12.7	PASS
		16QAM	RB1#0	12.8	PASS

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	Middle	QPSK	RB1#0	12.9	PASS
		16QAM	RB1#0	12.10	PASS
	High	QPSK	RB1#0	12.11	PASS
		16QAM	RB1#0	12.12	PASS
15 MHz	Low	QPSK	RB1#0	12.13	PASS
		16QAM	RB1#0	12.14	PASS
	Middle	QPSK	RB1#0	12.15	PASS
		16QAM	RB1#0	12.16	PASS
	High	QPSK	RB1#0	12.17	PASS
		16QAM	RB1#0	12.18	PASS
20 MHz	Low	QPSK	RB1#0	12.19	PASS
		16QAM	RB1#0	12.20	PASS
	Middle	QPSK	RB1#0	12.21	PASS
		16QAM	RB1#0	12.22	PASS
	High	QPSK	RB1#0	12.23	PASS
		16QAM	RB1#0	12.24	PASS

FDD LTE Band 17					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 3}	Verdict
5 MHz	Low	QPSK	RB1#0	13.1	PASS
		16QAM	RB1#0	13.2	PASS
	Middle	QPSK	RB1#0	13.3	PASS
		16QAM	RB1#0	13.4	PASS
	High	QPSK	RB1#0	13.5	PASS
		16QAM	RB1#0	13.6	PASS
10 MHz	Low	QPSK	RB1#0	13.7	PASS
		16QAM	RB1#0	13.8	PASS
	Middle	QPSK	RB1#0	13.9	PASS
		16QAM	RB1#0	13.10	PASS
	High	QPSK	RB1#0	13.11	PASS
		16QAM	RB1#0	13.12	PASS

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5.1.6 Band Edge

Note(s):

1. Test plots please refer to the document "Annex No: EXHIBIT D of SHE19090021-01IE.pdf".

Band Edge Measurement Results for GSM/WCDMA/CDMA

Test Band	Channel	Refer to Plot ^{Note 1}	Verdict
GSM 850	Low	1.1	PASS
	High	1.2	PASS
GSM 1900	Low	2.1	PASS
	High	2.2	PASS
EDGE 850	Low	3.1	PASS
	High	3.2	PASS
EDGE 1900	Low	4.1	PASS
	High	4.2	PASS
WCDMA Band II	Low	5.1	PASS
	High	5.2	PASS
WCDMA Band V	Low	6.1	PASS
	High	6.2	PASS
CDMA BC0	Low	7.1	PASS
	High	7.2	PASS
EVDO BC0	Low	8.1	PASS
	High	8.2	PASS

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Band Edge Measurement Results for LTE

FDD LTE Band 2					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot [†] Note 1	Verdict
1.4 MHz	Low	QPSK	RB1#0	9.1	PASS
			RB6#0	9.2	PASS
		16QAM	RB1#0	9.3	PASS
			RB6#0	9.4	PASS
	High	QPSK	RB1#0	9.5	PASS
			RB6#0	9.6	PASS
		16QAM	RB1#0	9.7	PASS
			RB6#0	9.8	PASS
3 MHz	Low	QPSK	RB1#0	9.9	PASS
			RB15#0	9.10	PASS
		16QAM	RB1#0	9.11	PASS
			RB15#0	9.12	PASS
	High	QPSK	RB1#0	9.13	PASS
			RB15#0	9.14	PASS
		16QAM	RB1#0	9.15	PASS
			RB15#0	9.16	PASS
5 MHz	Low	QPSK	RB1#0	9.17	PASS
			RB25#0	9.18	PASS
		16QAM	RB1#0	9.19	PASS
			RB25#0	9.20	PASS
	High	QPSK	RB1#0	9.21	PASS
			RB25#0	9.22	PASS
		16QAM	RB1#0	9.23	PASS
			RB25#0	9.24	PASS
10 MHz	Low	QPSK	RB1#0	9.25	PASS
			RB50#0	9.26	PASS
		16QAM	RB1#0	9.27	PASS
			RB50#0	9.28	PASS
	High	QPSK	RB1#0	9.29	PASS
			RB50#0	9.30	PASS
		16QAM	RB1#0	9.31	PASS
			RB50#0	9.32	PASS
15 MHz	Low	QPSK	RB1#0	9.33	PASS
			RB75#0	9.34	PASS
		16QAM	RB1#0	9.35	PASS
			RB75#0	9.36	PASS

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20 MHz	High	QPSK	RB1#0	9.37	PASS
			RB75#0	9.38	PASS
		16QAM	RB1#0	9.39	PASS
			RB75#0	9.40	PASS
	Low	QPSK	RB1#0	9.41	PASS
			RB100#0	9.42	PASS
		16QAM	RB1#0	9.43	PASS
			RB100#0	9.44	PASS
20 MHz	High	QPSK	RB1#0	9.45	PASS
			RB100#0	9.46	PASS
		16QAM	RB1#0	9.47	PASS
			RB100#0	9.48	PASS

FDD LTE Band 4					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
1.4 MHz	Low	QPSK	RB1#0	10.1	PASS
			RB6#0	10.2	PASS
		16QAM	RB1#0	10.3	PASS
			RB6#0	10.4	PASS
	High	QPSK	RB1#0	10.5	PASS
			RB6#0	10.6	PASS
		16QAM	RB1#0	10.7	PASS
			RB6#0	10.8	PASS
3 MHz	Low	QPSK	RB1#0	10.9	PASS
			RB15#0	10.10	PASS
		16QAM	RB1#0	10.11	PASS
			RB15#0	10.12	PASS
	High	QPSK	RB1#0	10.13	PASS
			RB15#0	10.14	PASS
		16QAM	RB1#0	10.15	PASS
			RB15#0	10.16	PASS
5 MHz	Low	QPSK	RB1#0	10.17	PASS
			RB25#0	10.18	PASS
		16QAM	RB1#0	10.19	PASS
			RB25#0	10.20	PASS
	High	QPSK	RB1#0	10.21	PASS
			RB25#0	10.22	PASS
		16QAM	RB1#0	10.23	PASS
			RB25#0	10.24	PASS

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10 MHz	Low	QPSK	RB1#0	10.25	PASS
			RB50#0	10.26	PASS
		16QAM	RB1#0	10.27	PASS
			RB50#0	10.28	PASS
	High	QPSK	RB1#0	10.29	PASS
			RB50#0	10.30	PASS
		16QAM	RB1#0	10.31	PASS
			RB50#0	10.32	PASS
15 MHz	Low	QPSK	RB1#0	10.33	PASS
			RB75#0	10.34	PASS
		16QAM	RB1#0	10.35	PASS
			RB75#0	10.36	PASS
	High	QPSK	RB1#0	10.37	PASS
			RB75#0	10.38	PASS
		16QAM	RB1#0	10.39	PASS
			RB75#0	10.40	PASS
20 MHz	Low	QPSK	RB1#0	10.41	PASS
			RB100#0	10.42	PASS
		16QAM	RB1#0	10.43	PASS
			RB100#0	10.44	PASS
	High	QPSK	RB1#0	10.45	PASS
			RB100#0	10.46	PASS
		16QAM	RB1#0	10.47	PASS
			RB100#0	10.48	PASS

FDD LTE Band 5					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
1.4 MHz	Low	QPSK	RB1#0	11.1	PASS
			RB6#0	11.2	PASS
		16QAM	RB1#0	11.3	PASS
			RB6#0	11.4	PASS
	High	QPSK	RB1#0	11.5	PASS
			RB6#0	11.6	PASS
		16QAM	RB1#0	11.7	PASS
			RB6#0	11.8	PASS
3 MHz	Low	QPSK	RB1#0	11.9	PASS
			RB15#0	11.10	PASS
		16QAM	RB1#0	11.11	PASS
			RB15#0	11.12	PASS

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5 MHz	High	QPSK	RB1#0	11.13	PASS
			RB15#0	11.14	PASS
		16QAM	RB1#0	11.15	PASS
			RB15#0	11.16	PASS
	Low	QPSK	RB1#0	11.17	PASS
			RB25#0	11.18	PASS
		16QAM	RB1#0	11.19	PASS
			RB25#0	11.20	PASS
10 MHz	High	QPSK	RB1#0	11.21	PASS
			RB25#0	11.22	PASS
		16QAM	RB1#0	11.23	PASS
			RB25#0	11.24	PASS
	Low	QPSK	RB1#0	11.25	PASS
			RB50#0	11.26	PASS
		16QAM	RB1#0	11.27	PASS
			RB50#0	11.28	PASS

FDD LTE Band 7					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
5 MHz	Low	QPSK	RB1#0	12.1	PASS
			RB25#0	12.2	PASS
		16QAM	RB1#0	12.3	PASS
			RB25#0	12.4	PASS
	High	QPSK	RB1#0	12.5	PASS
			RB25#0	12.6	PASS
		16QAM	RB1#0	12.7	PASS
			RB25#0	12.8	PASS
10 MHz	Low	QPSK	RB1#0	12.9	PASS
			RB50#0	12.10	PASS
		16QAM	RB1#0	12.11	PASS
			RB50#0	12.12	PASS
	High	QPSK	RB1#0	12.13	PASS
			RB50#0	12.14	PASS
		16QAM	RB1#0	12.15	PASS
			RB50#0	12.16	PASS

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15 MHz	Low	QPSK	RB1#0	12.17	PASS
			RB75#0	12.18	PASS
		16QAM	RB1#0	12.19	PASS
			RB75#0	12.20	PASS
	High	QPSK	RB1#0	12.21	PASS
			RB75#0	12.22	PASS
		16QAM	RB1#0	12.23	PASS
			RB75#0	12.24	PASS
20 MHz	Low	QPSK	RB1#0	12.25	PASS
			RB100#0	12.26	PASS
		16QAM	RB1#0	12.27	PASS
			RB100#0	12.28	PASS
	High	QPSK	RB1#0	12.29	PASS
			RB100#0	12.30	PASS
		16QAM	RB1#0	12.31	PASS
			RB100#0	12.32	PASS

FDD LTE Band 17					
Test BW	CH	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 1}	Verdict
5 MHz	Low	QPSK	RB1#0	13.1	PASS
			RB25#0	13.2	PASS
		16QAM	RB1#0	13.3	PASS
			RB25#0	13.4	PASS
	High	QPSK	RB1#0	13.5	PASS
			RB25#0	13.6	PASS
		16QAM	RB1#0	13.7	PASS
			RB25#0	13.8	PASS
10 MHz	Low	QPSK	RB1#0	13.9	PASS
			RB50#0	13.10	PASS
		16QAM	RB1#0	13.11	PASS
			RB50#0	13.12	PASS
	High	QPSK	RB1#0	13.13	PASS
			RB50#0	13.14	PASS
		16QAM	RB1#0	13.15	PASS
			RB50#0	13.16	PASS

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5.1.7 Field Strength of Spurious Radiation

Note(s):

1. GSM and EGPRS modes have been verified, only the worst data with different transmit bandwidth for LTE are shown here.
2. The frequencies of verdict which are marked by "N/A" should be ignored because they are MS carrier frequency.
3. When measurement frequency is above 18GHz, there is only noise floor of test system existing. So that there is no test data above 18GHz in the report.
4. Test plots please refer to the document "Annex No: EXHIBIT E of SHE19090021-01IE.pdf".

Field Strength of Spurious Radiation Measurement Results for GSM/WCDMA/CDMA

Test Band	Channel	Refer to Plot ^{Note 4}	Verdict
GSM 850	Low	1.1	PASS
	Middle	1.2	PASS
	High	1.3	PASS
GSM 1900	Low	2.1	PASS
	Middle	2.2	PASS
	High	2.3	PASS
EDGE 850	Low	3.1	PASS
	Middle	3.2	PASS
	High	3.3	PASS
EDGE 1900	Low	4.1	PASS
	Middle	4.2	PASS
	High	4.3	PASS
WCDMA Band II	Low	5.1	PASS
	Middle	5.2	PASS
	High	5.3	PASS
WCDMA Band V	Low	6.1	PASS
	Middle	6.2	PASS
	High	6.3	PASS
CDMA BC0	Low	7.1	PASS
	Middle	7.2	PASS
	High	7.3	PASS
EVDO BC0	Low	8.1	PASS
	Middle	8.2	PASS
	High	8.3	PASS

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Band Edge Measurement Results for LTE

FDD LTE Band 2					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	9.1	Pass
3 MHz	Middle	QPSK	RB1#0	9.2	Pass
5 MHz	Middle	QPSK	RB1#0	9.3	Pass
10 MHz	Middle	QPSK	RB1#0	9.4	Pass
15 MHz	Middle	QPSK	RB1#0	9.5	Pass
20 MHz	Middle	QPSK	RB1#0	9.6	Pass

FDD LTE Band 4					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	10.1	Pass
3 MHz	Middle	QPSK	RB1#0	10.2	Pass
5 MHz	Middle	QPSK	RB1#0	10.3	Pass
10 MHz	Middle	QPSK	RB1#0	10.4	Pass
15 MHz	Middle	QPSK	RB1#0	10.5	Pass
20 MHz	Middle	QPSK	RB1#0	10.6	Pass

FDD LTE Band 5					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
1.4 MHz	Middle	QPSK	RB1#0	11.1	Pass
3 MHz	Middle	QPSK	RB1#0	11.2	Pass
5 MHz	Middle	QPSK	RB1#0	11.3	Pass
10 MHz	Middle	QPSK	RB1#0	11.4	Pass

FDD LTE Band 7					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{Note 4}	Verdict
5 MHz	Middle	QPSK	RB1#0	12.1	Pass
10 MHz	Middle	QPSK	RB1#0	12.2	Pass
15 MHz	Middle	QPSK	RB1#0	12.3	Pass
20 MHz	Middle	QPSK	RB1#0	12.4	Pass

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FDD LTE Band 17					
Test BW	Channel	Modul.	RB Set (Size#Offset)	Refer to Plot ^{†Note 4}	Verdict
5 MHz	Middle	QPSK	RB1#0	13.1	Pass
10 MHz	Middle	QPSK	RB1#0	13.2	Pass

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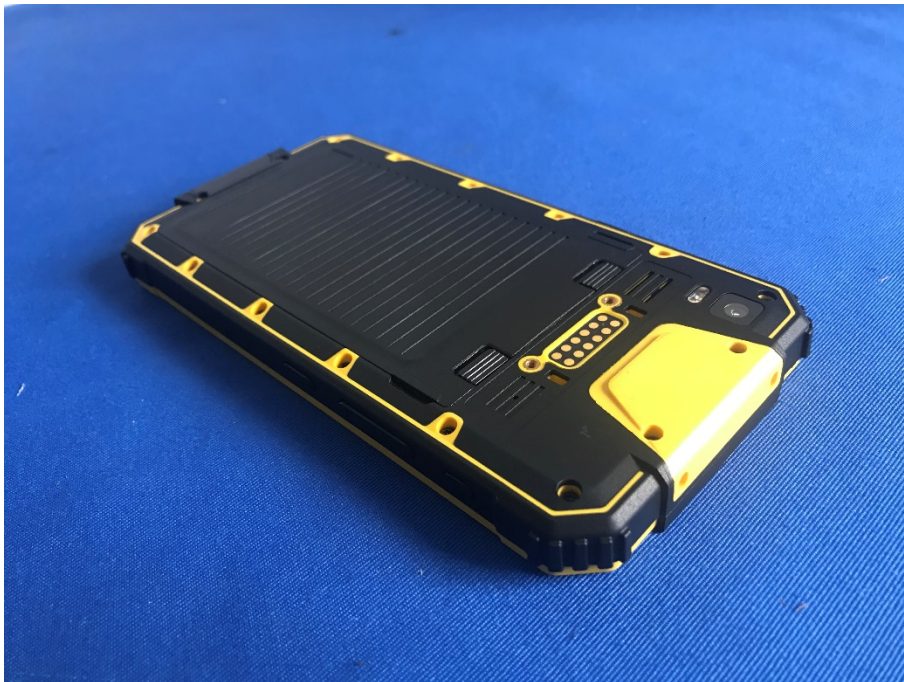
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5.2 Photographs of the Sample



Front of the sample



Rear of the sample

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5.3 Set-up for Conducted RF test at Antenna Port



5.4 Set-up for Spurious Emissions below 1GHz



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5.5 Set-up for Spurious Emissions above 1GHz



End of the report