1 of 53 Page:

Appendix B

E-UTRA Band 7



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Page: 2 of 53

CONTENT

1.	EFF	FECTIVE (ISOTROPIC) RADIATED POWER	3
	1.1.	TEST RESULT	3
2.	PE.	AK-TO-AVERAGE RATIO (CCDF)	8
	2.1.	TEST RESULT	8
	2.2.	TEST PLOTS	8
3.	МС	ODULATION CHARACTERISTICS	12
	3.1.	TEST BAND = LTE BAND 7	12
	3.2.	TEST MODE = LTE /TM1 20MHz	12
	3.2.1.	TEST CHANNEL = MCH	12
	3.3.	TEST MODE = LTE /TM2 20MHz	13
	3.3.1.	TEST CHANNEL = MCH	13
4.	260	DB BANDWIDTH AND OCCUPIED BANDWIDTH	14
	4.1.	TEST RESULT	14
	4.2.	TEST PLOTS	15
5.	BA	ND EDGE COMPLIANCE	27
	5.1.	TEST PLOTS	27
6.	SPU	URIOUS EMISSION AT ANTENNA TERMINAL	43
	6.1.	TEST PLOTS	43
7.	FIE	ELD STRENGTH OF SPURIOUS RADIATION	49
	7.1.	TEST BAND = LTE BAND 7	49
	7.1.1.	TEST MODE =LTE/TM1	49
	7.1.1.2	1. Test Channel = LCH	49
	7.1.1.2	2. TEST CHANNEL = MCH	49
	7.1.1.3	3. TEST CHANNEL = HCH	50
8.	FRE	EQUENCY STABILITY	51
	8.1.	Frequency Vs Voltage	51
	8.2.	Frequency Vs Temperature	51



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Page: 3 of 53

1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.72	26.79	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#12	23.11	27.18	33.00	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.62	26.69	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#0	22.00	26.07	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#6	22.01	26.08	33.00	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.94	26.01	33.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.94	26.01	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.81	26.88		PASS
							33.00	
Band7	5MHz	QPSK	21100	1RB#12	23.18	27.25	33.00	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.68	26.75	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#0	22.00	26.07	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#6	22.07	26.14	33.00	PASS
Band7	5MHz	QPSK	21100	12RB#13	22.02	26.09	33.00	PASS
Band7	5MHz	QPSK	21100	25RB#0	22.00	26.07	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.81	26.88	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.81	26.88	33.00	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.85	26.92	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.96	26.03	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.94	26.01	33.00	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.95	26.02	33.00	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.94	26.01	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.59	25.66	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.94	26.01	33.00	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.52	25.59	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#0	21.11	25.18	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#6	21.06	25.13	33.00	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.91	24.98	33.00	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.92	24.99	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.60	25.67	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.94	26.01	33.00	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.61	25.68	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#0	21.04	25.11	33.00	PASS



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Report No.: ZR/2020/2003101

Page: 4 of 53

	I	I	ı	T	T	ı	ı	
Band7	5MHz	16QAM	21100	12RB#6	20.97	25.04	33.00	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.86	24.93	33.00	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.97	25.04	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.47	25.54	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.86	25.93	33.00	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.48	25.55	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.82	24.89	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#6	21.07	25.14	33.00	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.98	25.05	33.00	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.89	24.96	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.98	27.05	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#24	23.09	27.16	33.00	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.81	26.88	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#0	22.02	26.09	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#12	22.07	26.14	33.00	PASS
Band7	10MHz	QPSK	20800	25RB#25	22.02	26.09	33.00	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.97	26.04	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.91	26.98	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#24	23.07	27.14	33.00	PASS
Band7	10MHz	QPSK	21100	1RB#49	23.10	27.17	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#0	22.04	26.11	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#12	22.10	26.17	33.00	PASS
Band7	10MHz	QPSK	21100	25RB#25	22.01	26.08	33.00	PASS
Band7	10MHz	QPSK	21100	50RB#0	22.08	26.15	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	23.02	27.09	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#24	23.09	27.16	33.00	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.92	26.99	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#0	22.13	26.20	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#12	22.05	26.12	33.00	PASS
Band7	10MHz	QPSK	21400	25RB#25	22.04	26.11	33.00	PASS
Band7	10MHz	QPSK	21400	50RB#0	22.05	26.12	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.76	25.83	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.73	25.80	33.00	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.71	25.78	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#0	21.09	25.16	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#12	21.25	25.32	33.00	PASS
Band7	10MHz	16QAM	20800	25RB#25	21.08	25.15	33.00	PASS
Band7	10MHz	16QAM	20800	50RB#0	21.05	25.12	33.00	PASS



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Report No.: ZR/2020/2003101

Page: 5 of 53

Band7	10MHz	16QAM	21100	1RB#0	21.72	25.79	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.82	25.89	33.00	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.91	25.98	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#0	21.03	25.10	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#12	21.21	25.28	33.00	PASS
Band7	10MHz	16QAM	21100	25RB#25	21.19	25.26	33.00	PASS
Band7	10MHz	16QAM	21100	50RB#0	21.07	25.14	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.74	25.81	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.83	25.90	33.00	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.78	25.85	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#0	21.16	25.23	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#12	21.04	25.11	33.00	PASS
Band7	10MHz	16QAM	21400	25RB#25	21.07	25.14	33.00	PASS
Band7	10MHz	16QAM	21400	50RB#0	21.14	25.21	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.97	27.04	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#38	22.82	26.89	33.00	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.93	27.00	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#0	22.10	26.17	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#18	22.05	26.12	33.00	PASS
Band7	15MHz	QPSK	20825	36RB#39	22.05	26.12	33.00	PASS
Band7	15MHz	QPSK	20825	75RB#0	22.06	26.13	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.87	26.94	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#38	23.00	27.07	33.00	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.89	26.96	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#0	22.05	26.12	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#18	22.14	26.21	33.00	PASS
Band7	15MHz	QPSK	21100	36RB#39	22.12	26.19	33.00	PASS
Band7	15MHz	QPSK	21100	75RB#0	22.07	26.14	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.68	26.75	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#38	23.01	27.08	33.00	PASS
Band7	15MHz	QPSK	21375	1RB#74	23.00	27.07	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#0	22.14	26.21	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#18	22.14	26.21	33.00	PASS
Band7	15MHz	QPSK	21375	36RB#39	22.09	26.16	33.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	22.09	26.16	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.84	25.91	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#38	21.68	25.75	33.00	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.82	25.89	33.00	PASS



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Report No.: ZR/2020/2003101

Page: 6 of 53

Band7	15MHz	16QAM	20825	36RB#0	21.13	25.20	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#18	21.04	25.11	33.00	PASS
Band7	15MHz	16QAM	20825	36RB#39	21.09	25.16	33.00	PASS
Band7	15MHz	16QAM	20825	75RB#0	21.02	25.09	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.78	25.85	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#38	21.58	25.65	33.00	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.84	25.91	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#0	21.17	25.24	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#18	21.04	25.11	33.00	PASS
Band7	15MHz	16QAM	21100	36RB#39	21.06	25.13	33.00	PASS
Band7	15MHz	16QAM	21100	75RB#0	21.07	25.14	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.67	25.74	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#38	21.73	25.80	33.00	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.76	25.83	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#0	21.04	25.11	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#18	21.03	25.10	33.00	PASS
Band7	15MHz	16QAM	21375	36RB#39	21.07	25.14	33.00	PASS
Band7	15MHz	16QAM	21375	75RB#0	21.23	25.30	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.83	26.90	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#49	23.11	27.18	33.00	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.93	27.00	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#0	22.09	26.16	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#25	22.06	26.13	33.00	PASS
Band7	20MHz	QPSK	20850	50RB#50	22.12	26.19	33.00	PASS
Band7	20MHz	QPSK	20850	100RB#0	22.03	26.10	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.94	27.01	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#49	23.11	27.18	33.00	PASS
Band7	20MHz	QPSK	21100	1RB#99	23.08	27.15	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#0	22.11	26.18	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#25	22.11	26.18	33.00	PASS
Band7	20MHz	QPSK	21100	50RB#50	22.10	26.17	33.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	22.10	26.17	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.95	27.02	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#49	23.02	27.09	33.00	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.88	26.95	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#0	22.12	26.19	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#25	22.09	26.16	33.00	PASS
Band7	20MHz	QPSK	21350	50RB#50	22.06	26.13	33.00	PASS



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Report No.: ZR/2020/2003101

Page: 7 of 53

Band7	20MHz	QPSK	21350	100RB#0	22.05	26.12	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.82	25.89	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.79	25.86	33.00	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.78	25.85	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#0	21.20	25.27	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#25	21.10	25.17	33.00	PASS
Band7	20MHz	16QAM	20850	50RB#50	21.18	25.25	33.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	21.11	25.18	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.68	25.75	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.85	25.92	33.00	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.75	25.82	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#0	21.18	25.25	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#25	21.24	25.31	33.00	PASS
Band7	20MHz	16QAM	21100	50RB#50	21.03	25.10	33.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	21.01	25.08	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.73	25.80	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.94	26.01	33.00	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.75	25.82	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#0	21.07	25.14	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#25	21.07	25.14	33.00	PASS
Band7	20MHz	16QAM	21350	50RB#50	21.18	25.25	33.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	21.15	25.22	33.00	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



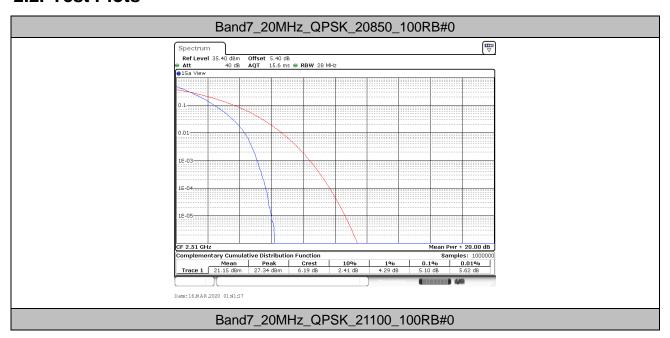
Page: 8 of 53

2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	5.10	13.00	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.99	13.00	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.06	13.00	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.94	13.00	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.91	13.00	PASS

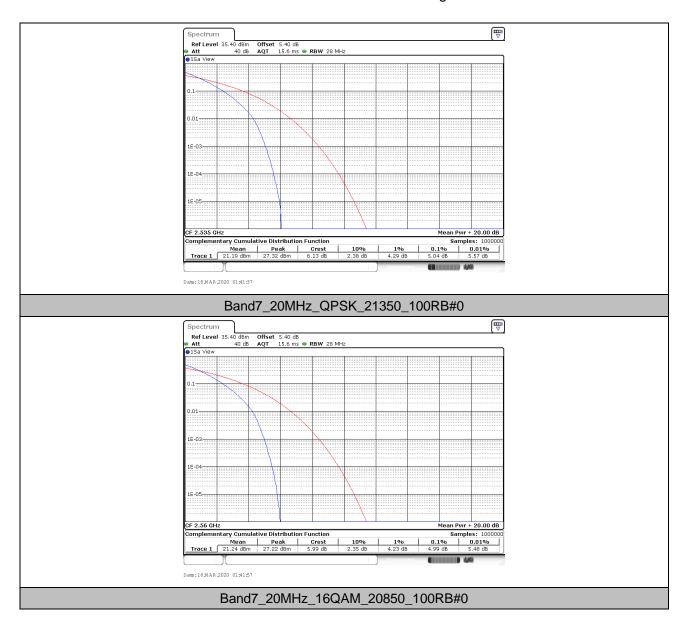
2.2. Test Plots





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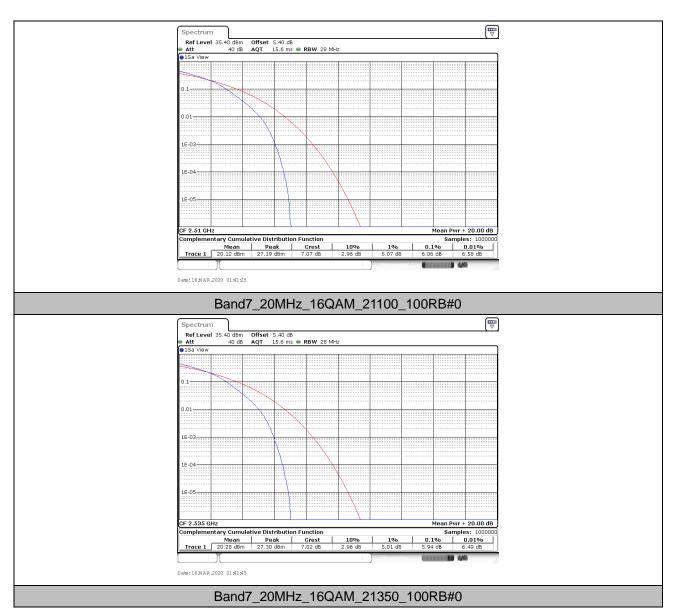
Page: 9 of 53





Report No.: ZR/2020/2003101

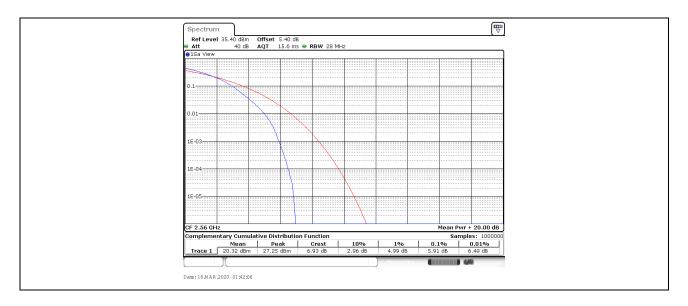
Page: 10 of 53





Report No.: ZR/2020/2003101

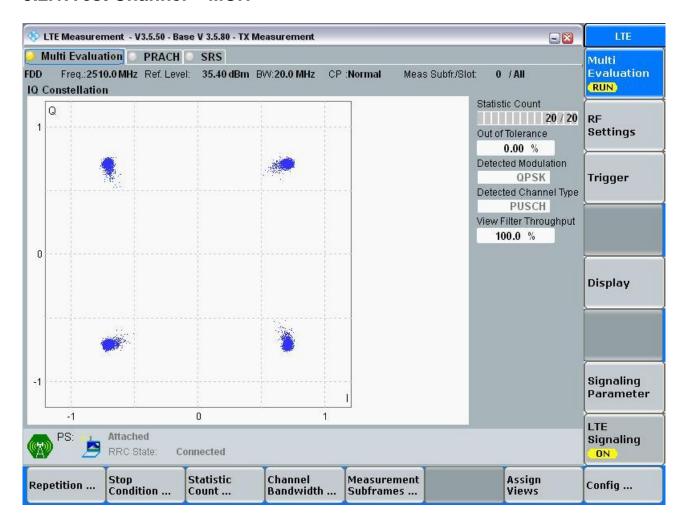
Page: 11 of 53



Page: 12 of 53

3. Modulation Characteristics

- 3.1. Test Band = LTE Band 7
- 3.2. Test Mode = LTE /TM1 20MHz
- 3.2.1.Test Channel = MCH

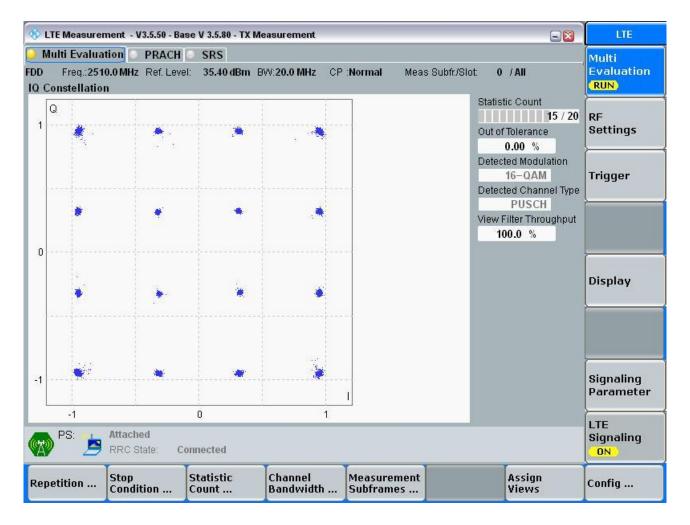




Page: 13 of 53

3.3. Test Mode = LTE /TM2 20MHz

3.3.1.Test Channel = MCH





Page: 14 of 53

4. 26dB Bandwidth and Occupied Bandwidth

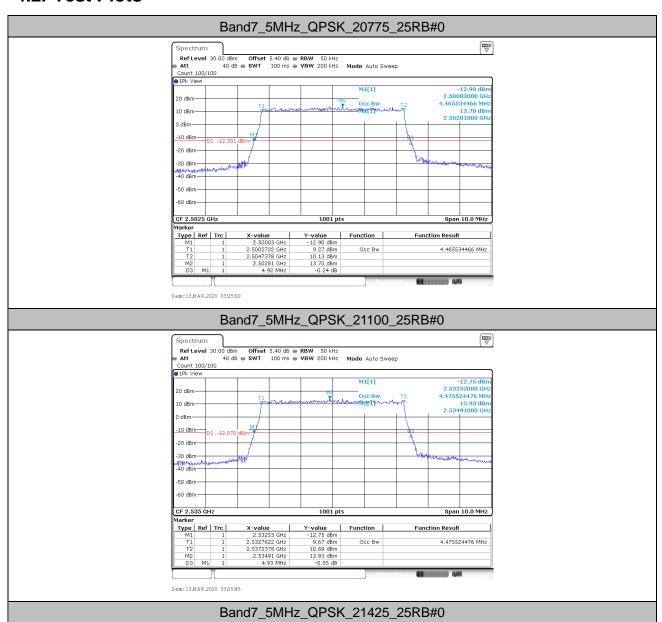
4.1. Test Result

Band	Bandwidt h	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.466	4.920	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.476	4.930	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.476	4.900	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.486	4.940	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.476	4.950	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.476	4.930	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.931	9.700	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.911	9.700	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.911	9.640	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.931	9.740	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.931	9.720	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.911	9.740	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.427	14.820	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.427	14.670	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.397	14.700	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.760	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.427	14.730	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.397	14.670	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.862	19.520	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.822	19.360	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.822	19.440	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.902	19.400	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.862	19.440	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.822	19.360	PASS



Page: 15 of 53

4.2. Test Plots





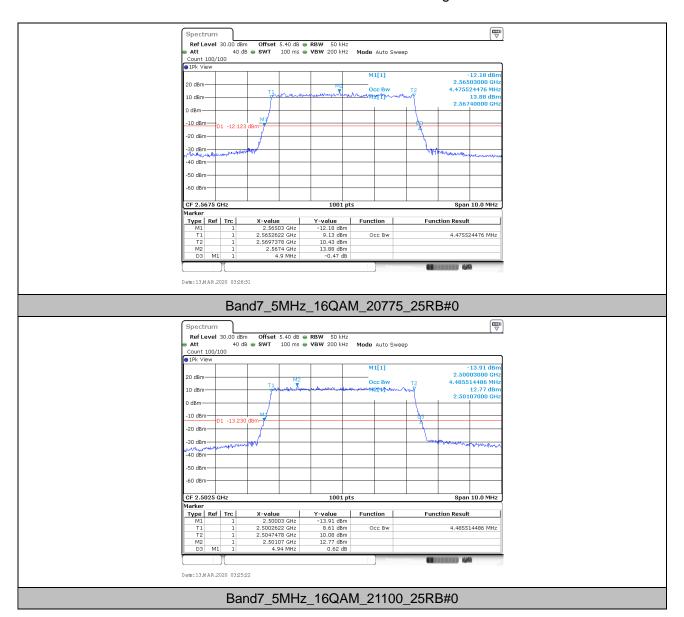
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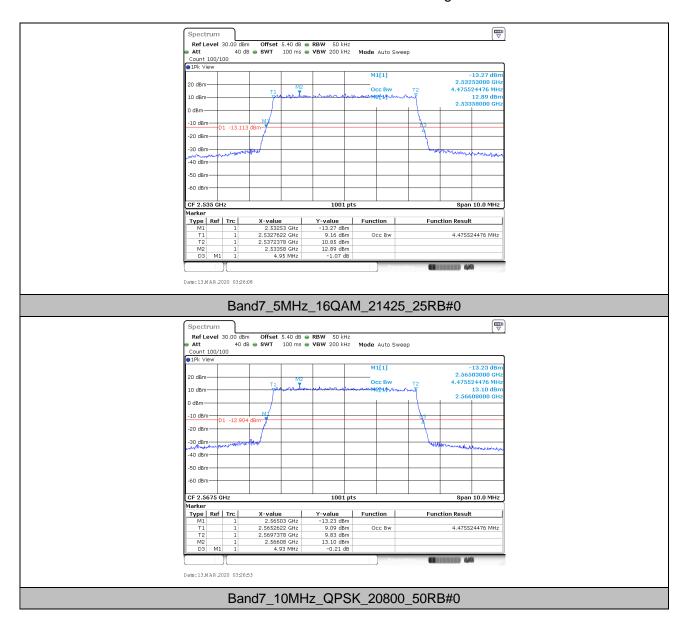
Page: 16 of 53





Report No.: ZR/2020/2003101

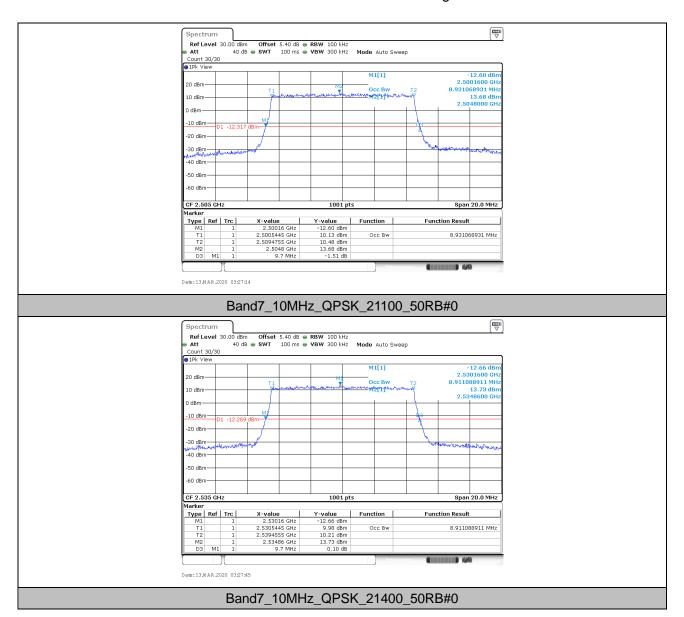
Page: 17 of 53





Report No.: ZR/2020/2003101

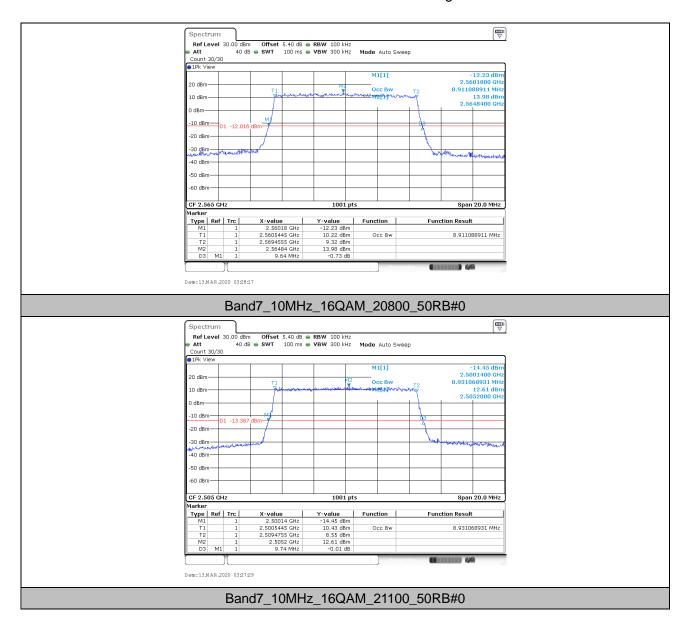
Page: 18 of 53





Report No.: ZR/2020/2003101

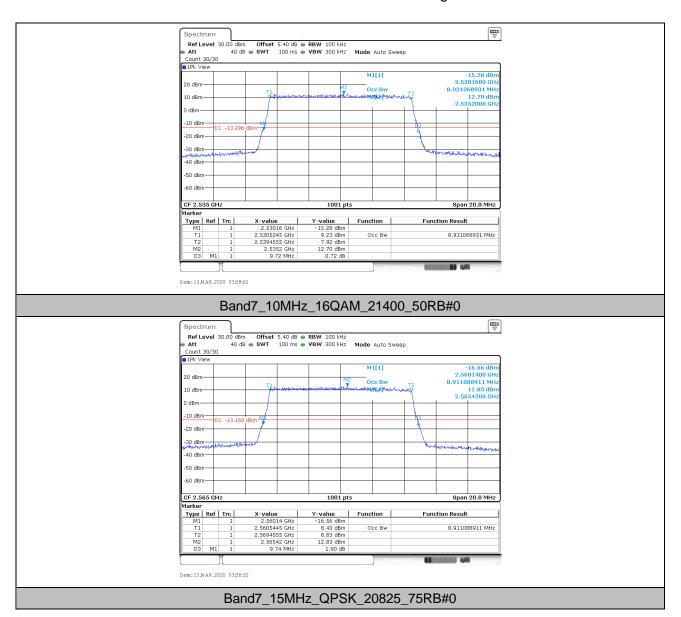
Page: 19 of 53





Report No.: ZR/2020/2003101

Page: 20 of 53





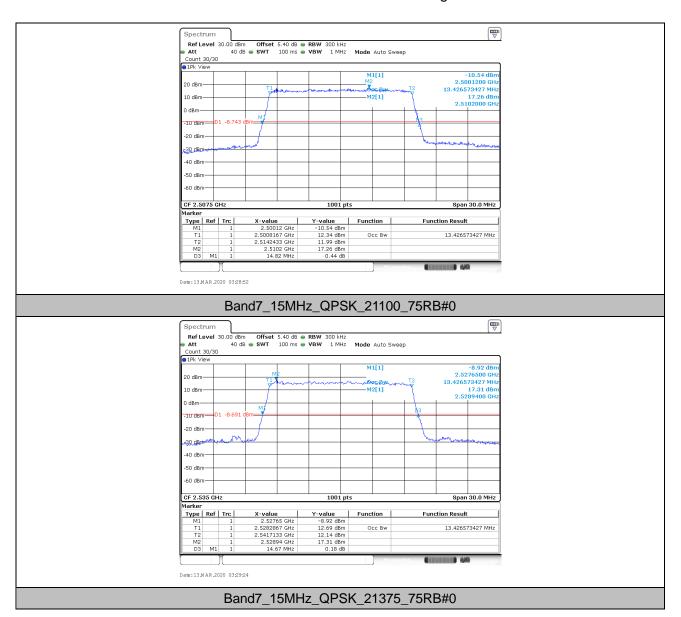
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Report No.: ZR/2020/2003101

Page: 21 of 53





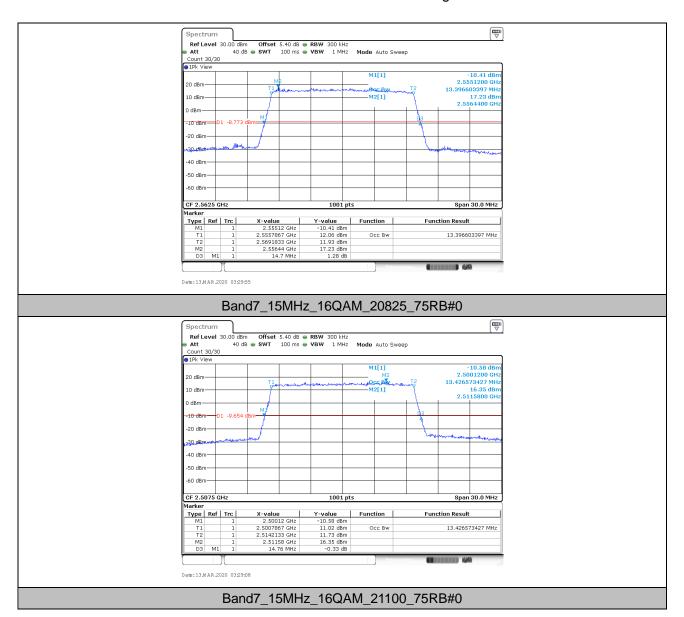
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Report No.: ZR/2020/2003101

Page: 22 of 53





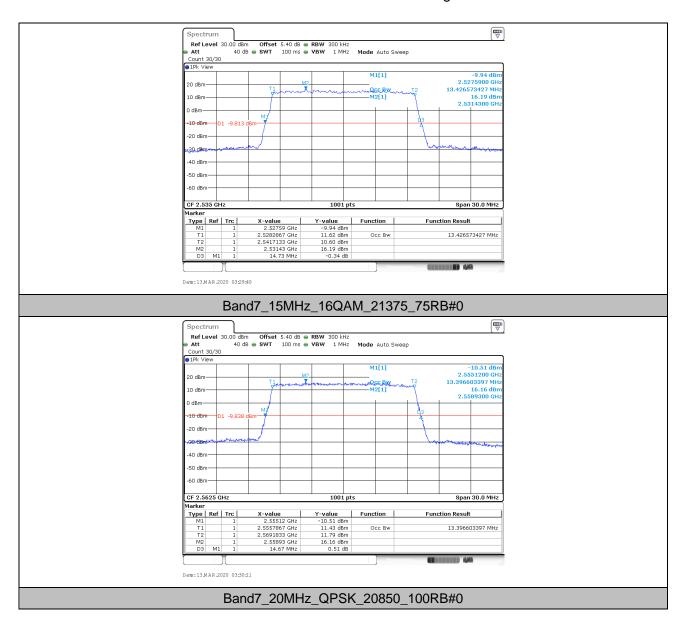
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Report No.: ZR/2020/2003101

Page: 23 of 53





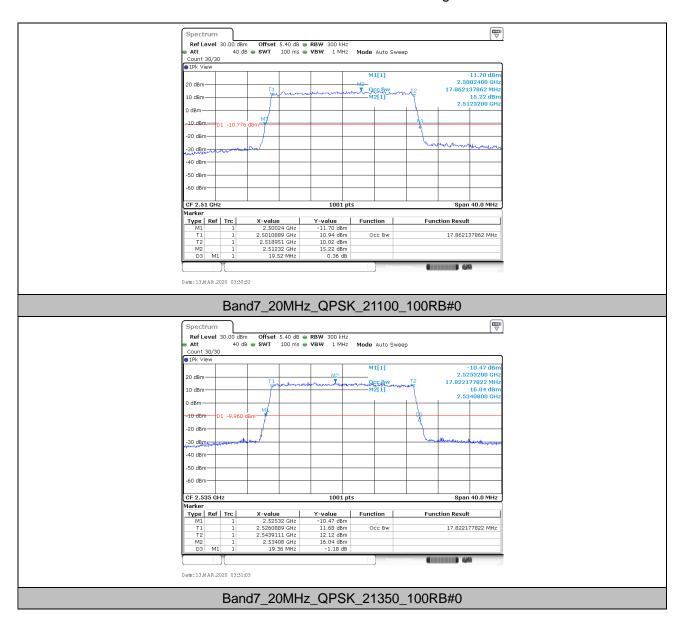
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Report No.: ZR/2020/2003101

Page: 24 of 53





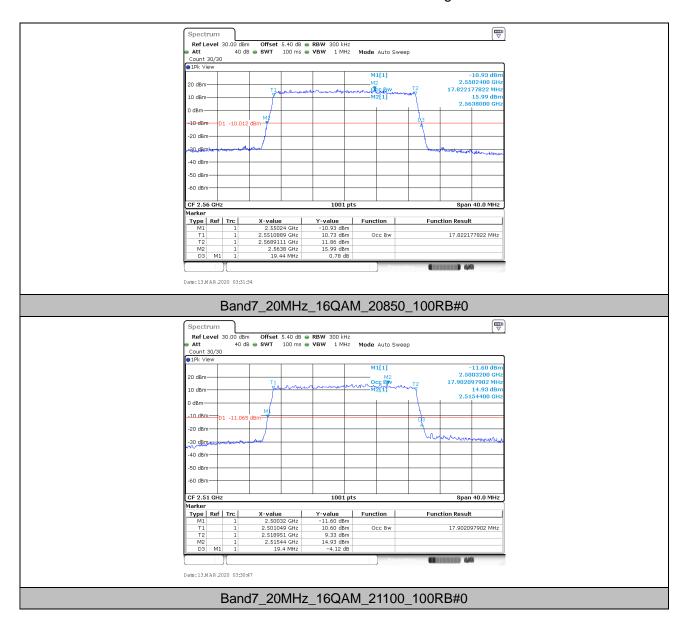
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Report No.: ZR/2020/2003101

Page: 25 of 53





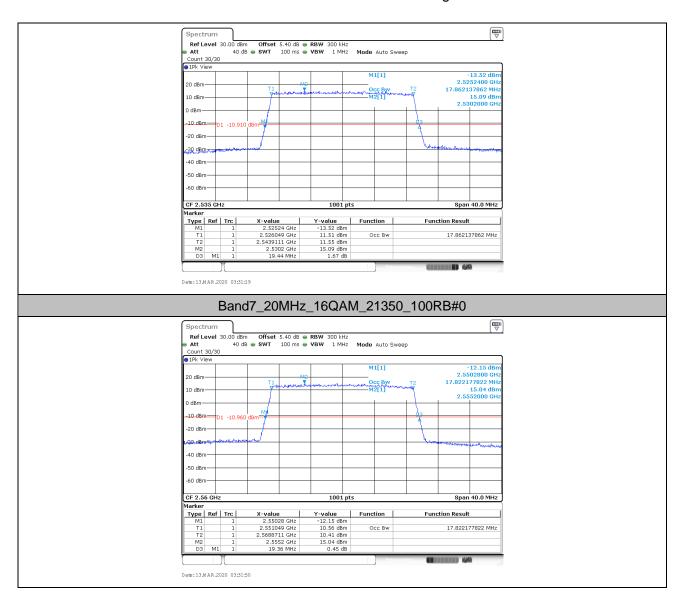
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Report No.: ZR/2020/2003101

Page: 26 of 53





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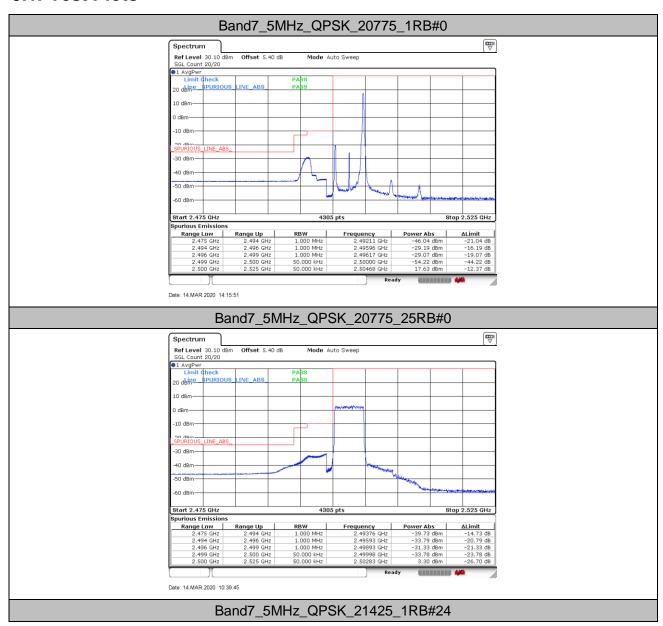
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Page: 27 of 53

5. Band Edge Compliance

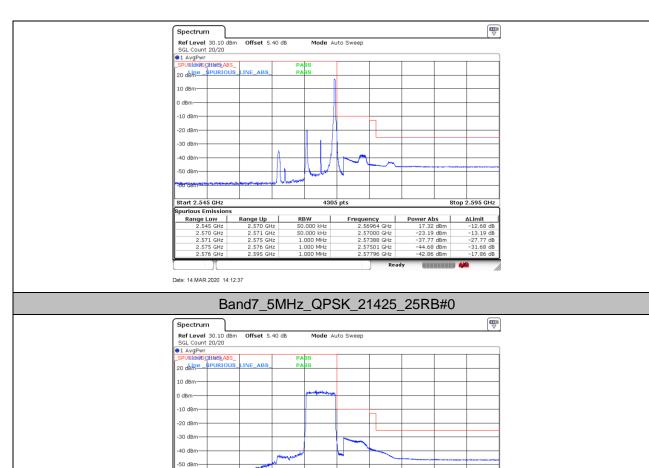
5.1. Test Plots





Report No.: ZR/2020/2003101

Page: 28 of 53



Band7_5MHz_16QAM_20775_1RB#0

Start 2.545 GHz

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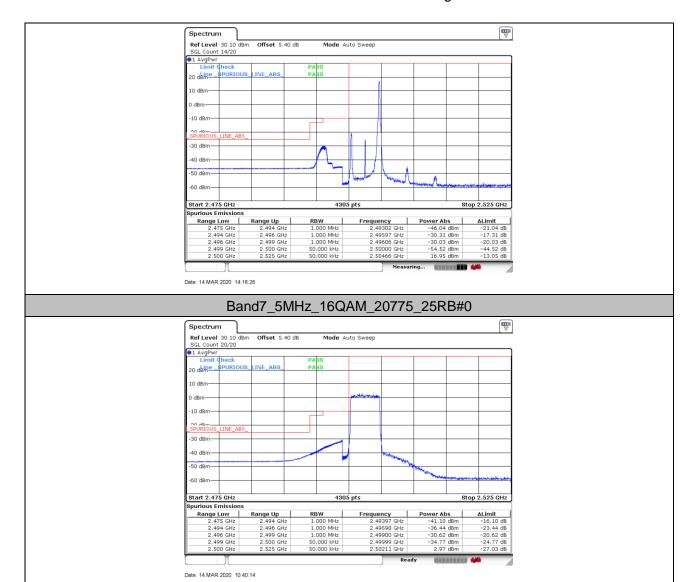
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Page: 29 of 53

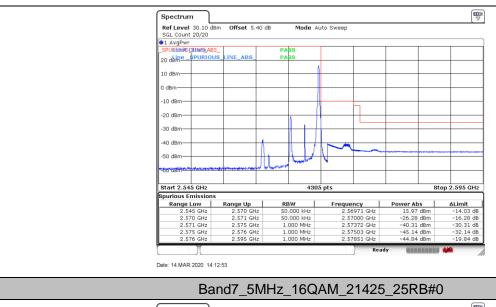


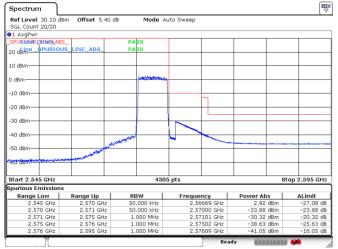
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Report No.: ZR/2020/2003101

Page: 30 of 53





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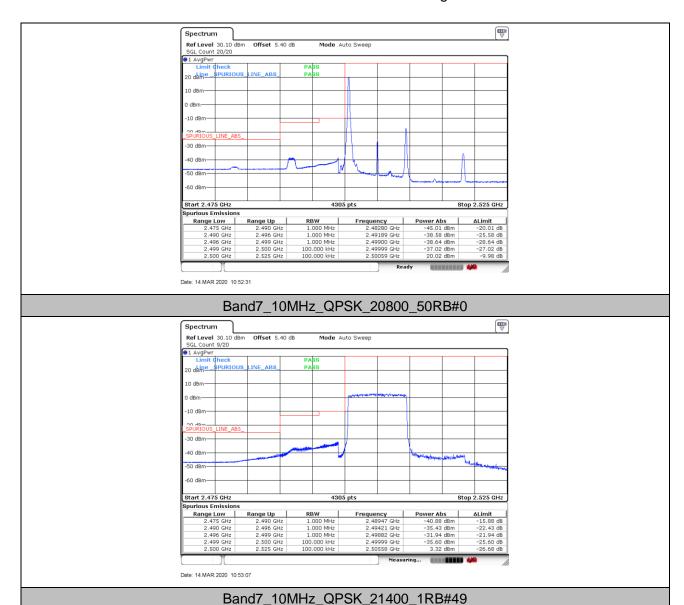
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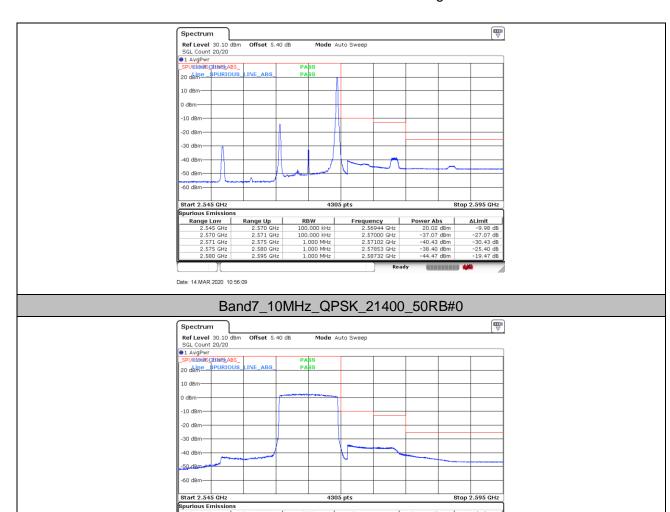
Page: 31 of 53





Report No.: ZR/2020/2003101

Page: 32 of 53



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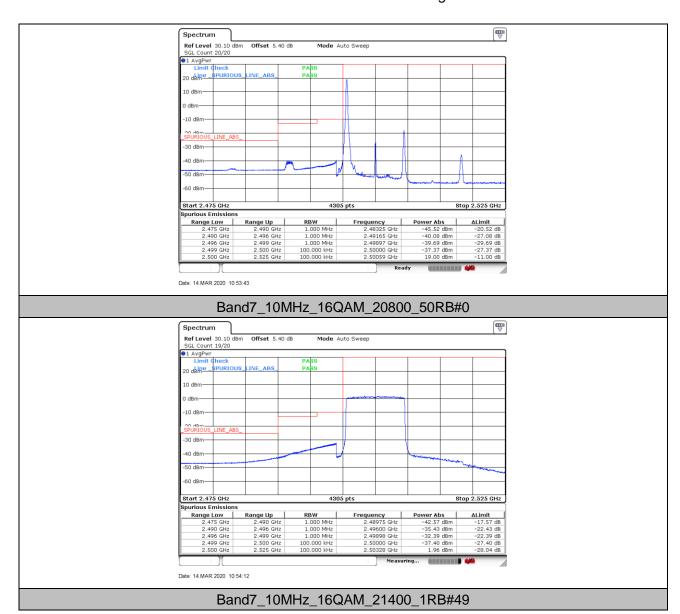
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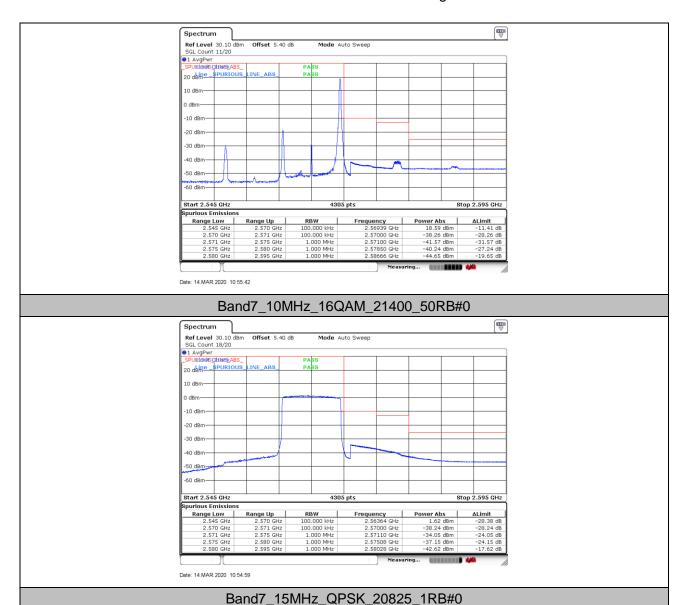
Page: 33 of 53





Report No.: ZR/2020/2003101

Page: 34 of 53





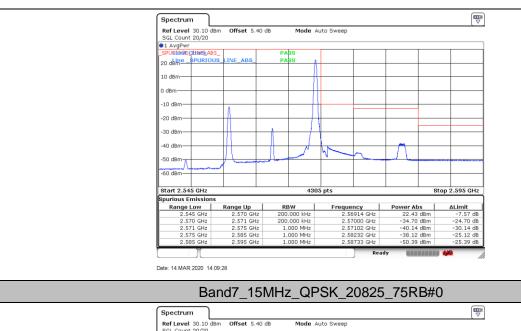
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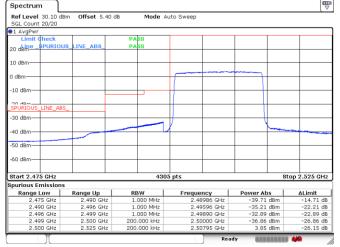
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Report No.: ZR/2020/2003101

Page: 35 of 53





Band7_15MHz_QPSK_21375_1RB#74

Date: 14.MAR.2020 11:02:33



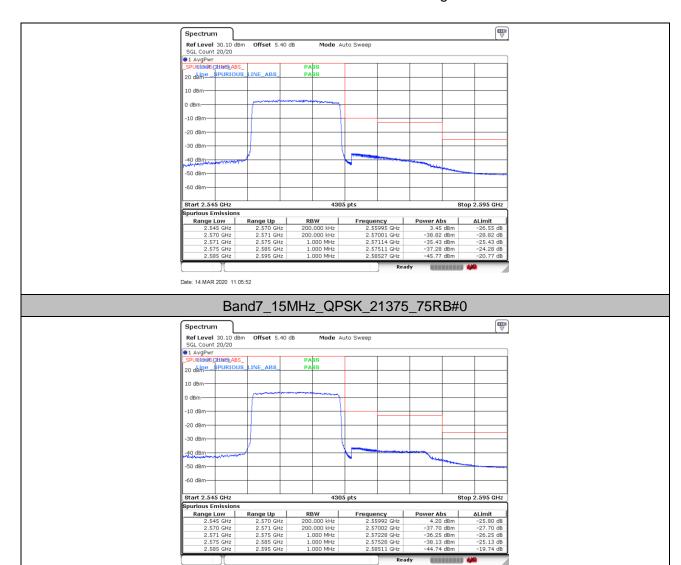
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Report No.: ZR/2020/2003101

Page: 36 of 53



Band7_15MHz_16QAM_20825_1RB#0

Date: 14.MAR.2020 11:05:26



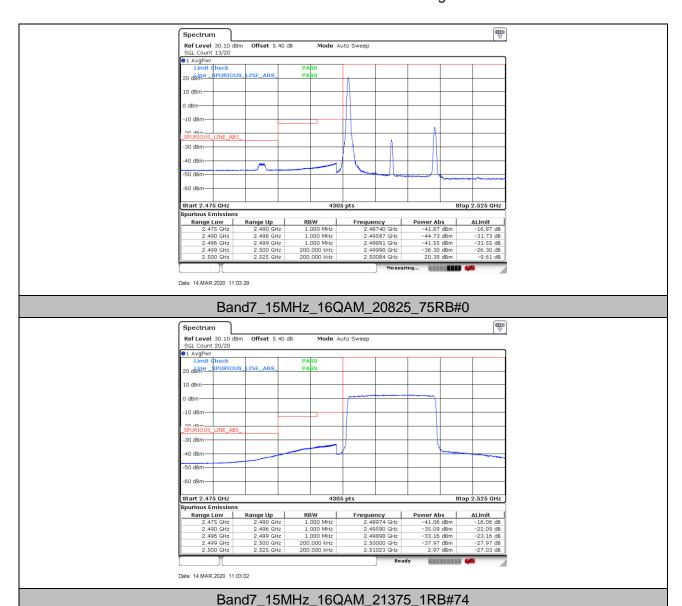
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Report No.: ZR/2020/2003101

Page: 37 of 53





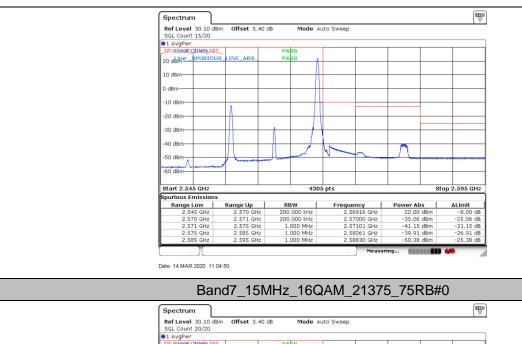
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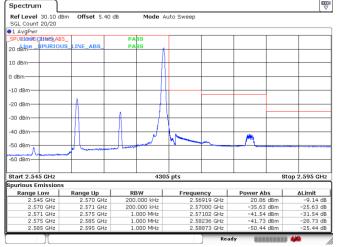
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Page: 38 of 53





Band7_20MHz_QPSK_20850_1RB#0

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Report No.: ZR/2020/2003101

Page: 39 of 53



Band7_20MHz_QPSK_21350_1RB#99

Date: 14.MAR.2020 13:32:56



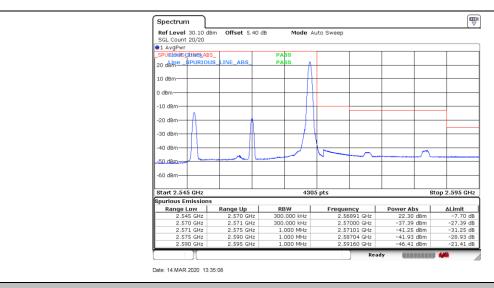
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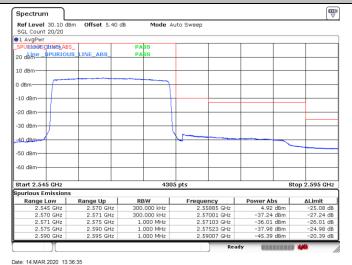
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Report No.: ZR/2020/2003101

Page: 40 of 53



Band7_20MHz_QPSK_21350_100RB#0



Band7_20MHz_16QAM_20850_1RB#0



Report No.: ZR/2020/2003101

Page: 41 of 53



Band7_20MHz_16QAM_21350_1RB#99

Date: 14.MAR.2020 13:33:31



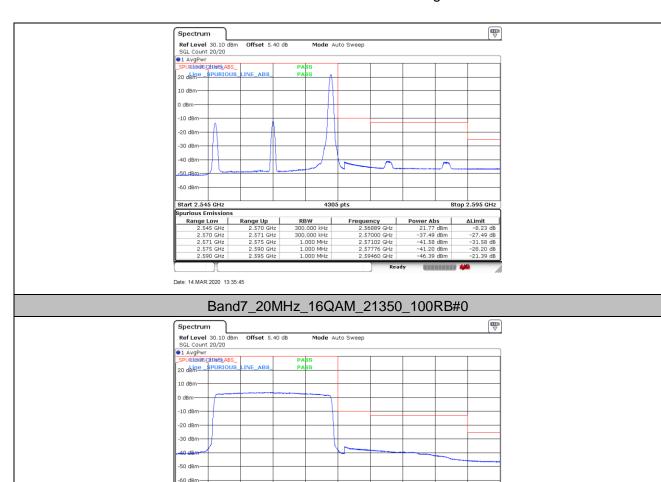
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Page: 42 of 53



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Start 2.545 GHz



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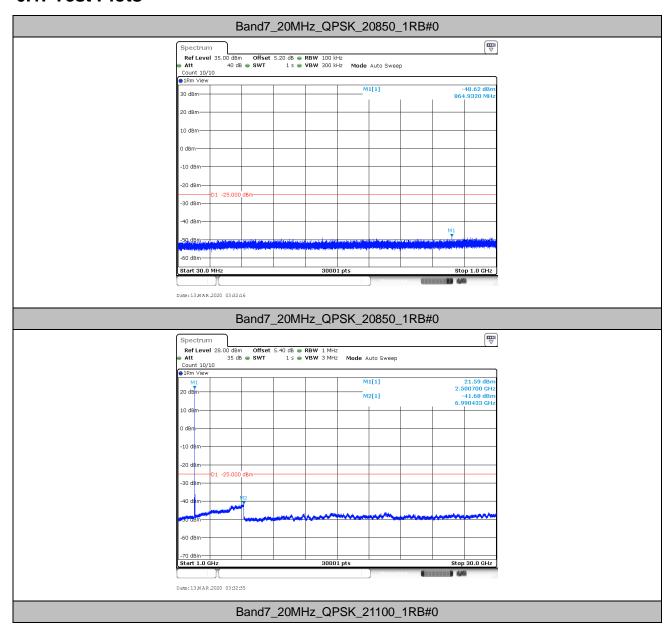
2.55860 GHz 2.55002 GHz 2.57002 GHz 2.57103 GHz 2.57508 GHz 2.59002 GHz

Page: 43 of 53

6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB. Remark2: only the worst case data displayed in this report.

6.1. Test Plots

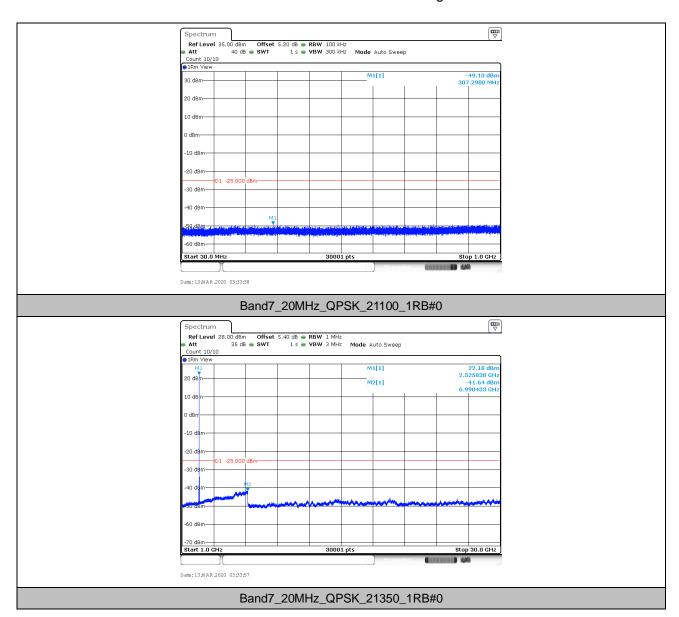






Report No.: ZR/2020/2003101

Page: 44 of 53

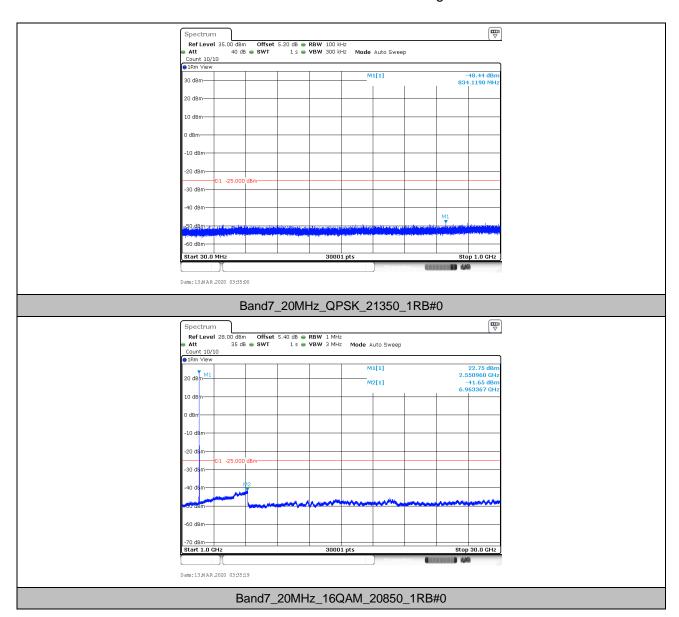






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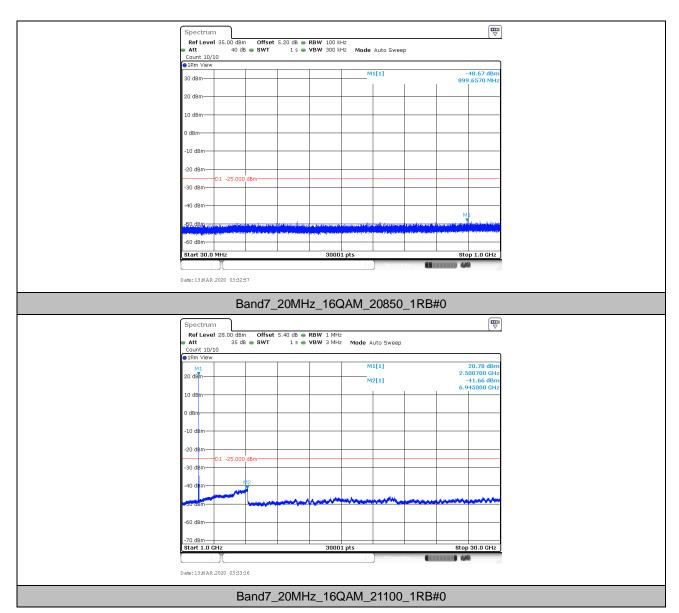
Page: 45 of 53





Report No.: ZR/2020/2003101

Page: 46 of 53

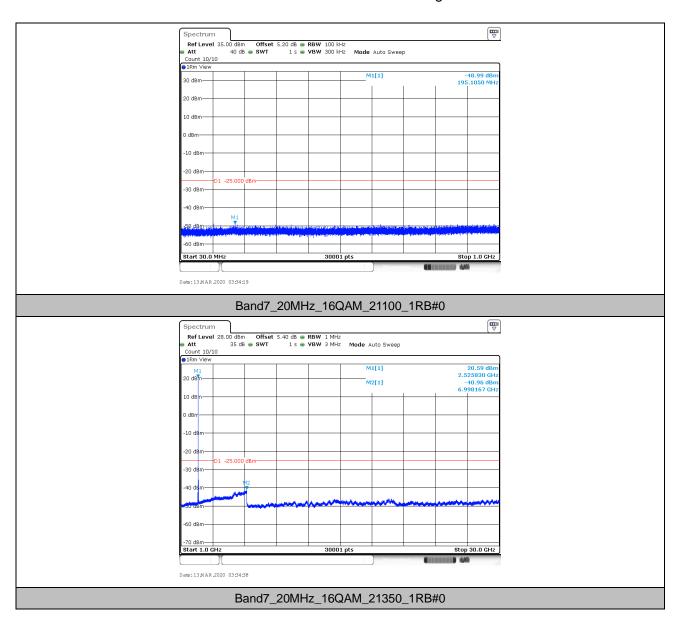






Report No.: ZR/2020/2003101

Page: 47 of 53

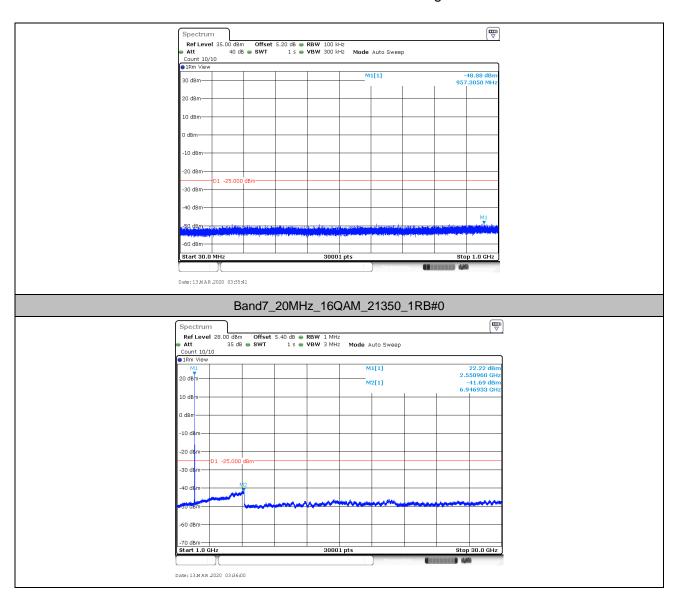






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Page: 49 of 53

7. Field Strength of Spurious Radiation

7.1. Test Band = LTE Band 7

7.1.1.Test Mode =LTE/TM1

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
105.9063	-65.90	-25.00	40.90	Vertical
622.8936	-64.80	-25.00	39.80	Vertical
5002.2801	-59.23	-25.00	34.23	Vertical
7503.1801	-56.77	-25.00	31.77	Vertical
14481.4593	-49.18	-25.00	24.18	Vertical
17992.1997	-42.53	-25.00	17.53	Vertical
45.3753	-65.08	-25.00	40.08	Horizontal
239.5790	-69.38	-25.00	44.38	Horizontal
574.7792	-64.96	-25.00	39.96	Horizontal
7503.1801	-58.49	-25.00	33.49	Horizontal
16382.9353	-46.19	-25.00	21.19	Horizontal
17988.5995	-47.21	-25.00	22.21	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
110.2230	-65.34	-25.00	40.34	Vertical
612.8051	-63.22	-25.00	38.22	Vertical
5052.0821	-60.52	-25.00	35.52	Vertical
7578.1831	-55.34	-25.00	30.34	Vertical
14479.0592	-49.75	-25.00	24.75	Vertical
17996.9999	-42.20	-25.00	17.20	Vertical
39.6520	-63.88	-25.00	38.88	Horizontal
232.7886	-68.84	-25.00	43.84	Horizontal
3552.0221	-63.53	-25.00	38.53	Horizontal
7459.3784	-58.48	-25.00	33.48	Horizontal
16400.9360	-46.31	-25.00	21.31	Horizontal
17999.4000	-47.38	-25.00	22.38	Horizontal



Page: 50 of 53

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
108.8164	-65.09	-25.00	40.09	Vertical
606.2088	-65.06	-25.00	40.06	Vertical
5101.8841	-57.57	-25.00	32.57	Vertical
9314.6526	-54.64	-25.00	29.64	Vertical
14487.4595	-49.81	-25.00	24.81	Vertical
17997.5999	-42.42	-25.00	17.42	Vertical
41.5436	-65.06	-25.00	40.06	Horizontal
231.2851	-69.23	-25.00	44.23	Horizontal
5102.4841	-61.09	-25.00	36.09	Horizontal
9314.0526	-54.69	-25.00	29.69	Horizontal
16362.5345	-46.85	-25.00	21.85	Horizontal
17995.7998	-46.60	-25.00	21.60	Horizontal

Remark:

- According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



Page: 51 of 53

8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage											
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict		
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-7.20	-0.002869	±2.5	PASS		
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-16.20	-0.006454	±2.5	PASS		
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-7.70	-0.003068	±2.5	PASS		
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-4.50	-0.001775	±2.5	PASS		
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-0.20	-0.000079	±2.5	PASS		
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-9.60	-0.003787	±2.5	PASS		
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	6.20	0.002422	±2.5	PASS		
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	-2.00	-0.000781	±2.5	PASS		
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	-3.70	-0.001445	±2.5	PASS		
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-17.90	-0.007131	±2.5	PASS		
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-11.30	-0.004502	±2.5	PASS		
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-18.10	-0.007211	±2.5	PASS		
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-0.40	-0.000158	±2.5	PASS		
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	4.50	0.001775	±2.5	PASS		
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	-4.10	-0.001617	±2.5	PASS		
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	3.40	0.001328	±2.5	PASS		
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	-5.40	-0.002109	±2.5	PASS		
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	-2.80	-0.001094	±2.5	PASS		

8.2. Frequency Vs Temperature

Temperatur	е									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltag e [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-11.00	-0.004382	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-16.00	-0.006375	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-14.90	-0.005936	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-13.70	-0.005458	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-12.70	-0.005060	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-16.70	-0.006653	±2.5	PASS



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Report No.: ZR/2020/2003101

Page: 52 of 53

	221411	0.001/	00050	40000000	.	40		0.000440	0.5	D4.00
Band7	20MHz	QPSK	20850	100RB#0	NV	40	-5.30	-0.002112	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	-9.00	-0.003586	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	6.30	0.002485	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	4.60	0.001815	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	2.20	0.000868	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	4.10	0.001617	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	2.70	0.001065	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	1.90	0.000750	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	3.70	0.001460	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	2.60	0.001026	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	-8.40	-0.003281	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	5.50	0.002148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-7.60	-0.002969	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-0.30	-0.000117	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-2.20	-0.000859	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-9.90	-0.003867	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	0.90	0.000352	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-17.60	-0.007012	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-8.50	-0.003386	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-4.00	-0.001594	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-3.20	-0.001275	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-4.80	-0.001912	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	30	-7.50	-0.002988	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	40	-12.20	-0.004861	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	50	-18.30	-0.007291	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-8.50	-0.003353	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	3.50	0.001381	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-4.90	-0.001933	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	10	4.50	0.001775	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-4.60	-0.001815	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	30	3.80	0.001499	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	40	-5.60	-0.002209	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	50	1.30	0.000513	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	4.80	0.001875	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-5.80	-0.002266	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	1.30	0.000508	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	6.80	0.002656	±2.5	PASS
	l	l	l					1		



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Report No.: ZR/2020/2003101

53 of 53 Page:

Band7	20MHz	16QAM	21350	100RB#0	NV	20	-7.10	-0.002773	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	30	-1.70	-0.000664	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	40	-0.90	-0.000352	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	50	3.00	0.001172	±2.5	PASS

The End



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