1 of 50 Page:

Appendix B

E-UTRA Band 17



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Total *Processes**

Total *

**Total **

**

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Page: 2 of 50

CONTENT

1		EFFECTIVE (ISOTROPIC) RADIATED POWER	4
	1.1.	Test Result	4
2.		PEAK-TO-AVERAGE RATIO (CCDF)	10
	2.1.	Test Result	10
	2.2.	TEST PLOTS	11
3.		MODULATION CHARACTERISTICS	17
	3.1.	TEST MODE = LTE /TM1 10MHz	17
	3.1.1.	TEST CHANNEL = MCH	17
	3.2.	TEST MODE = LTE /TM2 10MHz	18
	3.2.1.	TEST CHANNEL = MCH	18
	3.3.	TEST MODE = LTE /TM3 10MHz	19
	3.3.1.	TEST CHANNEL = MCH	19
	3.4.	TEST MODE = LTE /TM4 10MHz	20
	3.4.1.	TEST CHANNEL = MCH	20
4.		26DB BANDWIDTH AND OCCUPIED BANDWIDTH	21
	4.1.	Test Result	21
	4.2.	TEST PLOTS.	22
5.		BAND EDGE COMPLIANCE	34
	5.1.	TEST PLOTS	34
6.		SPURIOUS EMISSION AT ANTENNA TERMINAL	39
	6.1.	TEST PLOTS	39
7.		FIELD STRENGTH OF SPURIOUS RADIATION	43
	7.1.	Test Band =Band 177.1.1. Test Channel = Low Channel	
	7.2.	TEST BAND = BAND 17	
	7.3.	Test Band = Band 17	45
		7.3.1. Test Channel = Mid Channel	45
	7.4.	TEST BAND = BAND 17	46



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Report No.: SAR/2021/4000901

Page: 3 of 50

	7.4.1.	Test Channel = Mid Channel	46
7.5.		ND = BAND 17 Test Channel = High Channel	
7.6.		ND = BAND 17 Test Channel = High Channel	_
8.	FREQUE	ENCY STABILITY	49
8.1.	FREQUEN	icy Vs Voltage	49
8.2	FREQUEN	ICY VS TEMPERATURE	50



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Page: 4 of 50

1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.32	22.75	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.42	22.85	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.34	22.77	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.28	21.71	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.28	21.71	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.29	21.72	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.33	21.76	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.30	22.73	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.29	22.72	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.38	22.81	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.31	21.74	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.28	21.71	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.19	21.62	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.29	21.72	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.39	22.82	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.35	22.78	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.33	22.76	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.27	21.7	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.27	21.7	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.37	21.8	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.30	21.73	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.60	21.03	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.67	21.1	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.63	21.06	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.70	20.13	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.62	20.05	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.66	20.09	34.77	PASS



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Report No.: SAR/2021/4000901

5 of 50 Page:

Band17	5MHz	64QAM	23755	25RB#0	20.73	20.16	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.64	21.07	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.63	21.06	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.62	21.05	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.54	19.97	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.61	20.04	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.70	20.13	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.69	20.12	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.66	21.09	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.64	21.07	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.58	21.01	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.71	20.14	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.65	20.08	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.70	20.13	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.67	20.1	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#0	18.64	18.07	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#12	18.67	18.1	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#24	18.65	18.08	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#13	18.45	17.88	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#6	18.46	17.89	34.77	PASS
Band17	5MHz	256QAM	23755	12RB#0	18.41	17.84	34.77	PASS
Band17	5MHz	256QAM	23755	25RB#0	18.44	17.87	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#0	18.64	18.07	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#12	18.69	18.12	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#24	18.60	18.03	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#0	18.48	17.91	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#6	18.43	17.86	34.77	PASS
Band17	5MHz	256QAM	23790	12RB#13	18.36	17.79	34.77	PASS
Band17	5MHz	256QAM	23790	25RB#0	18.44	17.87	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#12	18.58	18.01	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#0	18.59	18.02	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#24	18.56	17.99	34.77	PASS
Band17	5MHz	256QAM	23825	12RB#0	18.52	17.95	34.77	PASS



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Page: 6 of 50

Band17	5MHz	256QAM	23825	12RB#6	18.43	17.86	34.77	PASS
Band17	5MHz	256QAM	23825	12RB#13	18.43	17.86	34.77	PASS
Band17	5MHz	256QAM	23825	25RB#0	18.49	17.92	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.48	21.91	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.64	22.07	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.52	21.95	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.27	20.7	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.30	20.73	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.28	20.71	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.31	20.74	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.52	21.95	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.56	21.99	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.37	21.8	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.19	20.62	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.28	20.71	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.30	20.73	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.26	20.69	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.46	21.89	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.45	21.88	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.41	21.84	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.26	20.69	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.31	20.74	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.37	20.8	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.32	20.75	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.29	22.72	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.38	22.81	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.29	22.72	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.24	21.67	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.24	21.67	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.34	21.77	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.25	21.68	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.26	22.69	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.40	22.83	34.77	PASS



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7 of 50 Page:

Band17	10MHz	QPSK	23790	1RB#24	23.40	22.83	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.27	21.7	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.32	21.75	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.23	21.66	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.27	21.7	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.33	22.76	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.38	22.81	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.37	22.8	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.33	21.76	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.29	21.72	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.31	21.74	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.30	21.73	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.65	21.08	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.68	21.11	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.72	21.15	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.63	20.06	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.62	20.05	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.62	20.05	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.60	20.03	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.64	21.07	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.64	21.07	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.65	21.08	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.69	20.12	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.61	20.04	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.67	20.1	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.66	20.09	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.72	21.15	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.64	21.07	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.73	21.16	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.63	20.06	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.67	20.1	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.70	20.13	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.65	20.08	34.77	PASS



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8 of 50 Page:

Band17	10MHz	256QAM	23780	1RB#24	18.72	18.15	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#49	18.55	17.98	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#0	18.63	18.06	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#0	18.40	17.83	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#12	18.41	17.84	34.77	PASS
Band17	10MHz	256QAM	23780	25RB#25	18.36	17.79	34.77	PASS
Band17	10MHz	256QAM	23780	50RB#0	18.35	17.78	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#49	18.55	17.98	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#0	18.66	18.09	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#24	18.70	18.13	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#12	18.47	17.9	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#25	18.42	17.85	34.77	PASS
Band17	10MHz	256QAM	23790	25RB#0	18.42	17.85	34.77	PASS
Band17	10MHz	256QAM	23790	50RB#0	18.38	17.81	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#0	18.56	17.99	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#24	18.67	18.1	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#49	18.55	17.98	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#0	18.47	17.9	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#12	18.44	17.87	34.77	PASS
Band17	10MHz	256QAM	23800	25RB#25	18.43	17.86	34.77	PASS
Band17	10MHz	256QAM	23800	50RB#0	18.44	17.87	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.62	22.05	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.39	21.82	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.42	21.85	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.21	20.64	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.20	20.63	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.33	20.76	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.25	20.68	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.53	21.96	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.58	22.01	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.54	21.97	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.26	20.69	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.31	20.74	34.77	PASS



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Report No.: SAR/2021/4000901

Page: 9 of 50

					1			
Band17	10MHz	16QAM	23790	25RB#25	21.23	20.66	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.26	20.69	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.61	22.04	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.49	21.92	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.50	21.93	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.26	20.69	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.27	20.7	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.27	20.7	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.27	20.7	34.77	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]

The conducted Power is measured by Base Station Simulator



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2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.28	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.25	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.30	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.17	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.23	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.23	13	PASS
Band17	10MHz	256QAM	23780	50RB#0	6.26	13	PASS
Band17	10MHz	256QAM	23790	50RB#0	6.23	13	PASS
Band17	10MHz	256QAM	23800	50RB#0	6.26	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.06	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.03	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.06	13	PASS

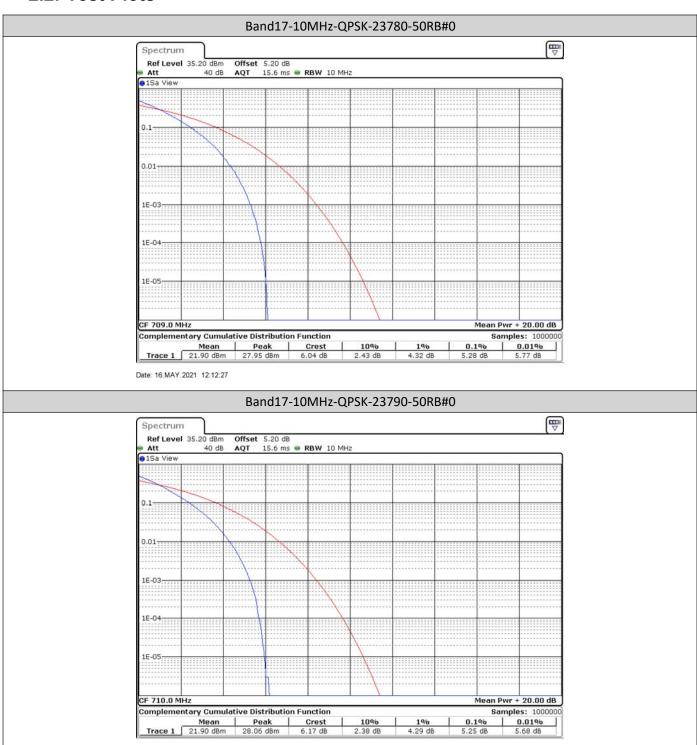


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2.2. Test Plots





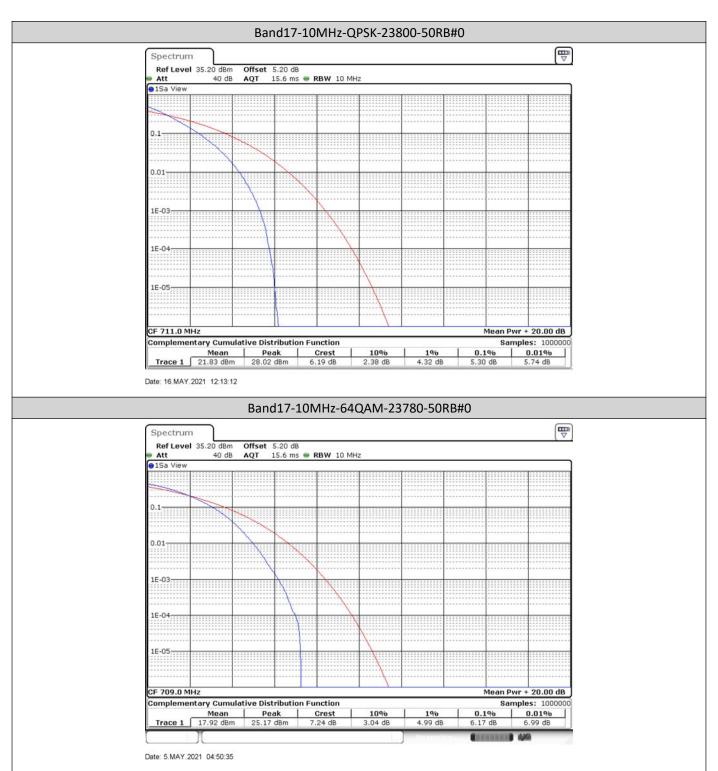
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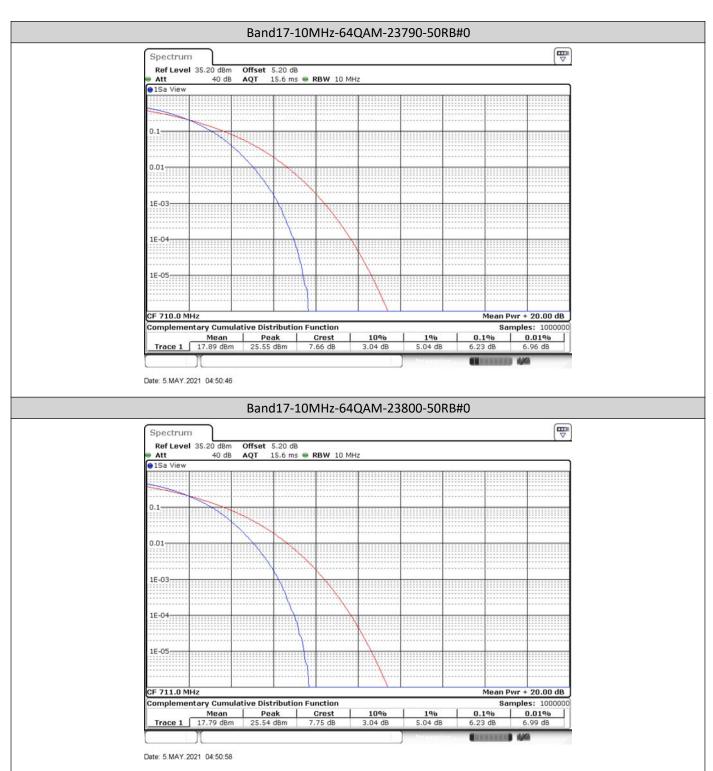


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Page: 13 of 50



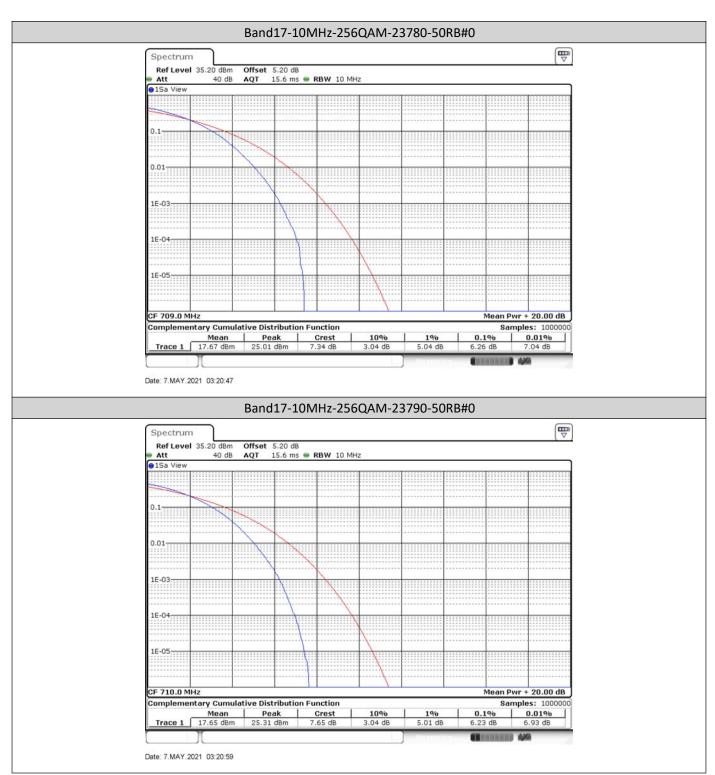


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Page: 14 of 50



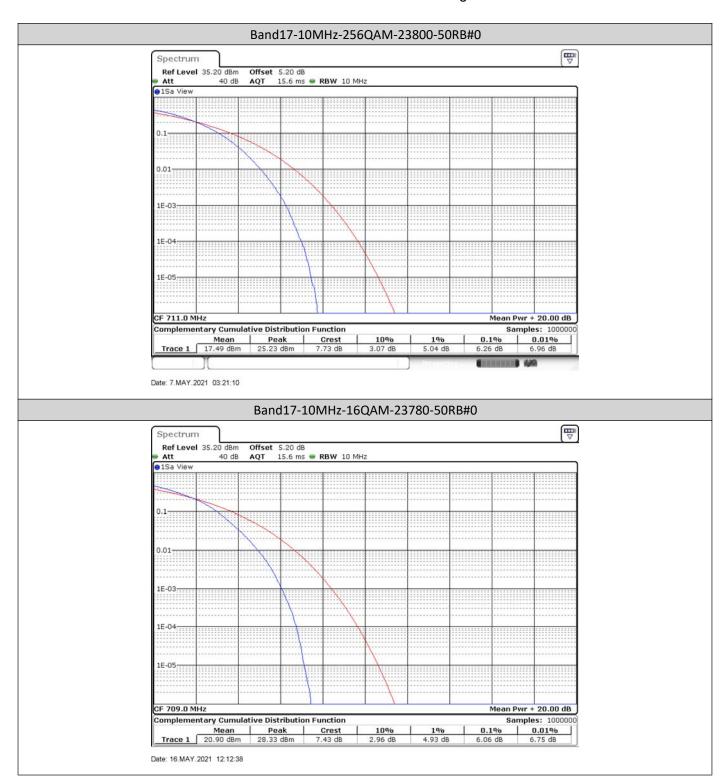


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Page: 15 of 50





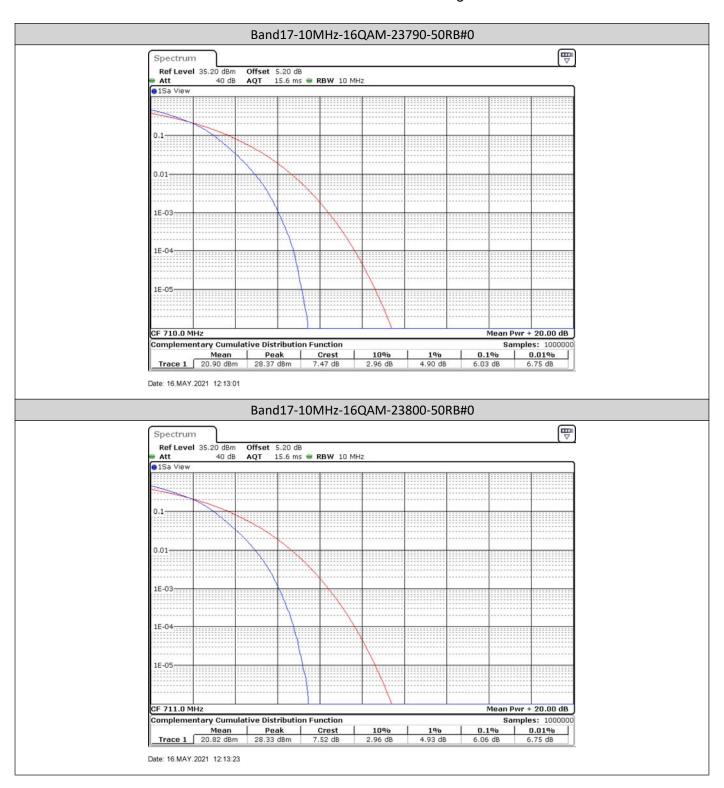
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Page: 16 of 50



Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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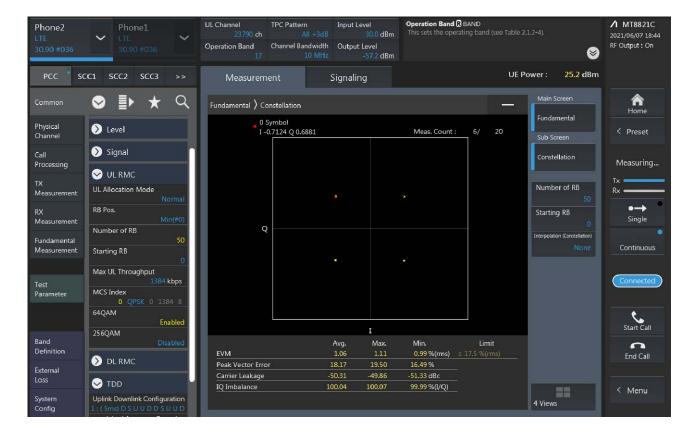
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Page: 17 of 50

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 10MHz

3.1.1.Test Channel = MCH

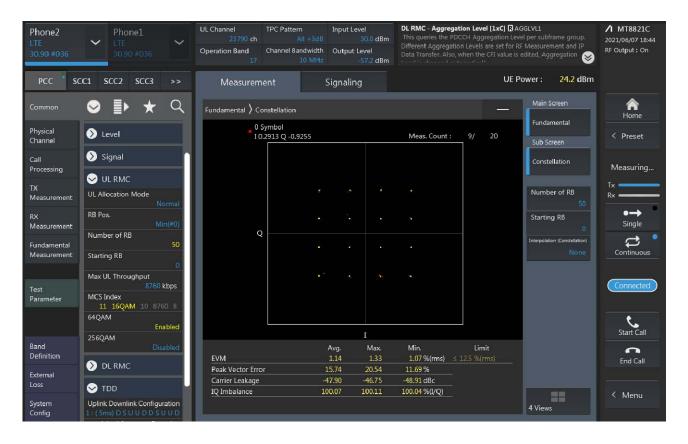




Page: 18 of 50

3.2. Test Mode = LTE /TM2 10MHz

3.2.1.Test Channel = MCH

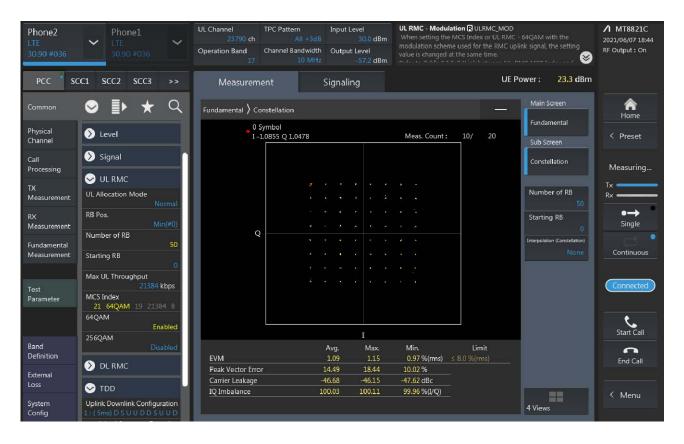




Page: 19 of 50

3.3. Test Mode = LTE /TM3 10MHz

3.3.1.Test Channel = MCH

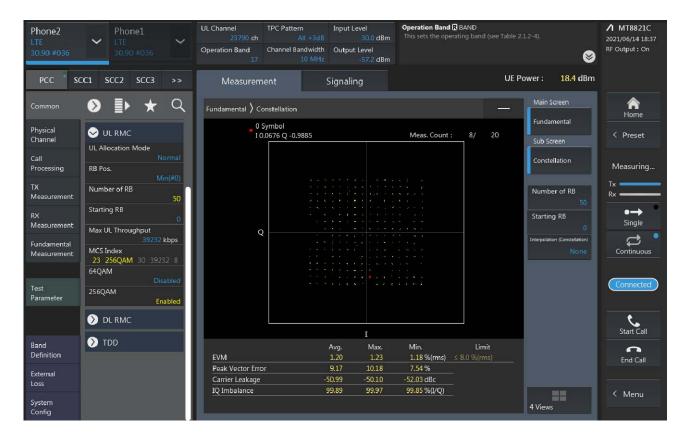




Page: 20 of 50

3.4. Test Mode = LTE /TM4 10MHz

3.4.1.Test Channel = MCH





21 of 50 Page:

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.476	4.880	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.466	4.850	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.476	4.890	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.466	4.880	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.466	4.850	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.476	4.860	PASS
Band17	5MHz	256QAM	23755	25RB#0	4.476	4.870	PASS
Band17	5MHz	256QAM	23790	25RB#0	4.476	4.860	PASS
Band17	5MHz	256QAM	23825	25RB#0	4.476	4.880	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.476	4.880	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.486	4.880	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.486	4.910	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.931	9.620	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.931	9.640	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.911	9.620	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.911	9.560	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.911	9.520	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.911	9.540	PASS
Band17	10MHz	256QAM	23780	50RB#0	8.931	9.560	PASS
Band17	10MHz	256QAM	23790	50RB#0	8.911	9.540	PASS
Band17	10MHz	256QAM	23800	50RB#0	8.931	9.560	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.911	9.640	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.911	9.660	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.911	9.640	PASS

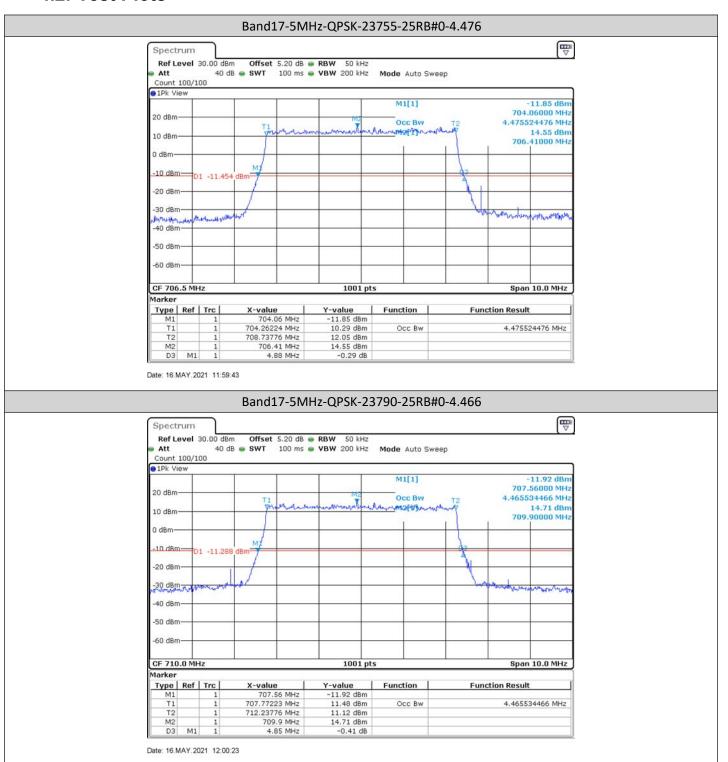


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4.2. Test Plots





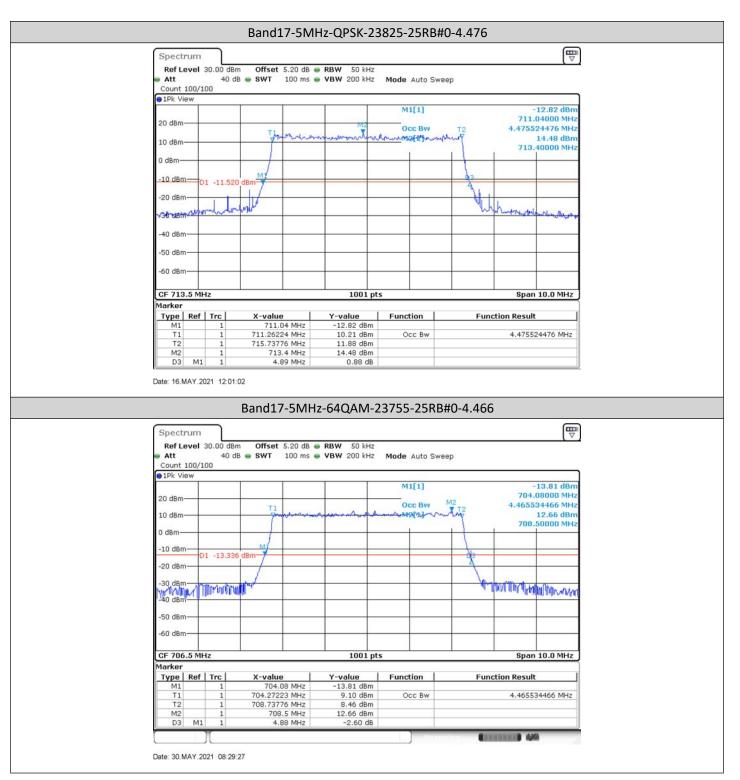
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Page: 23 of 50





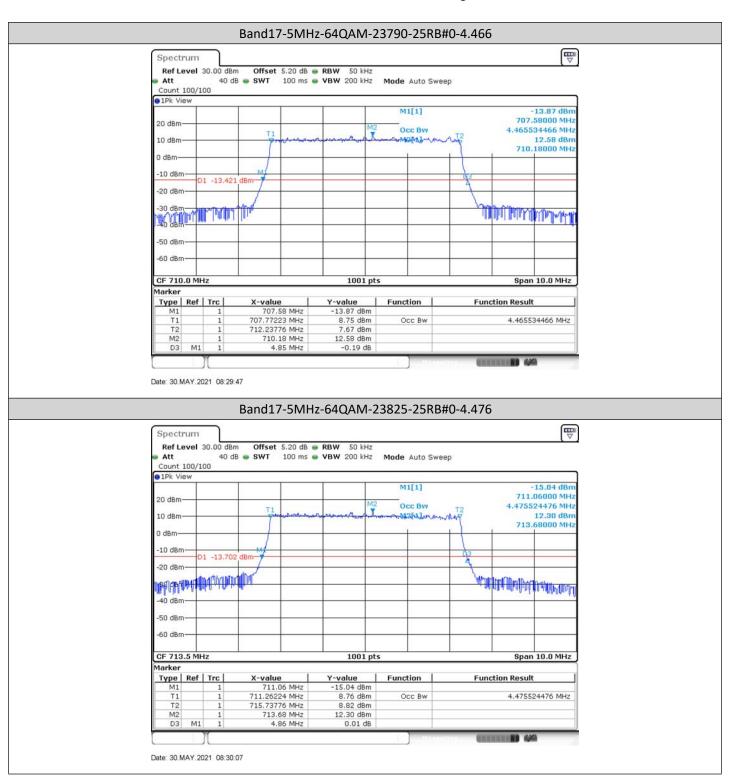
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Page: 24 of 50





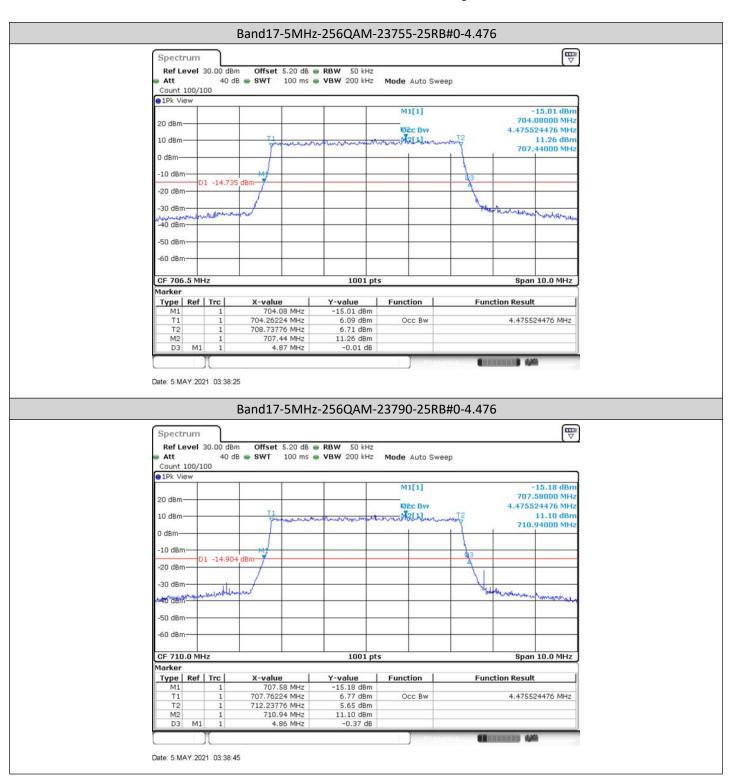
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Report No.: SAR/2021/4000901

Page: 25 of 50





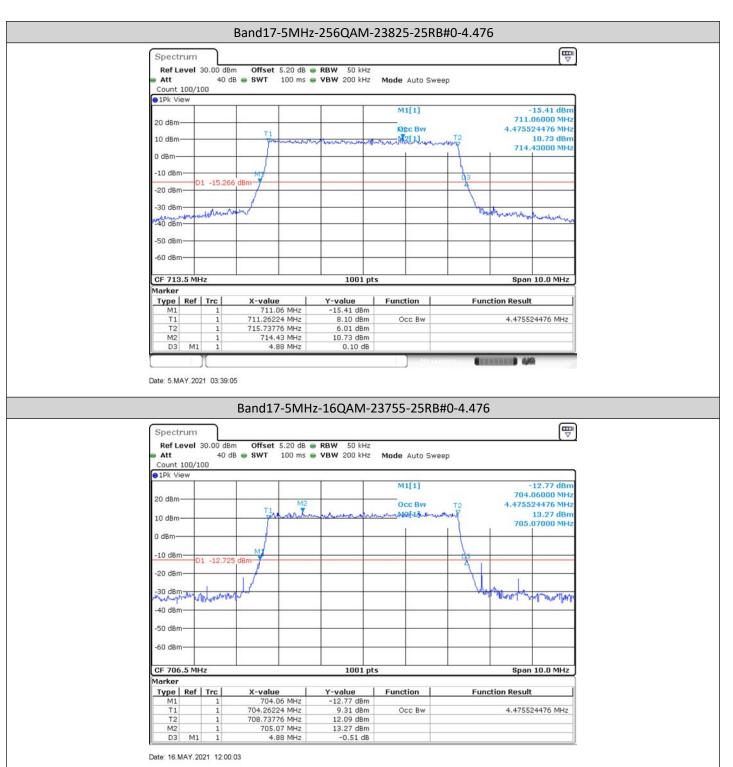
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Report No.: SAR/2021/4000901

Page: 26 of 50





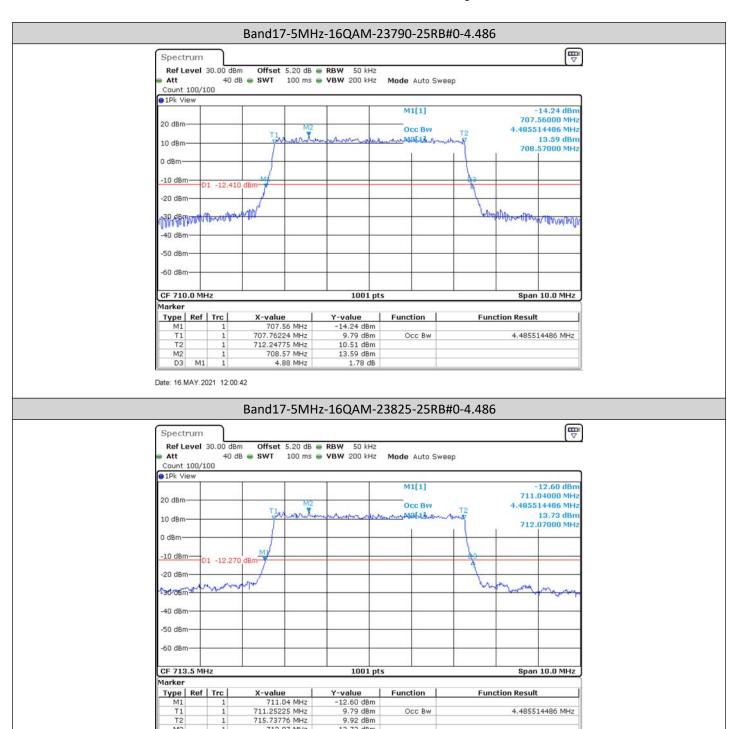
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Report No.: SAR/2021/4000901

Page: 27 of 50





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Occ Bw

13.73 dBm

715.73776 MHz 712.07 MHz

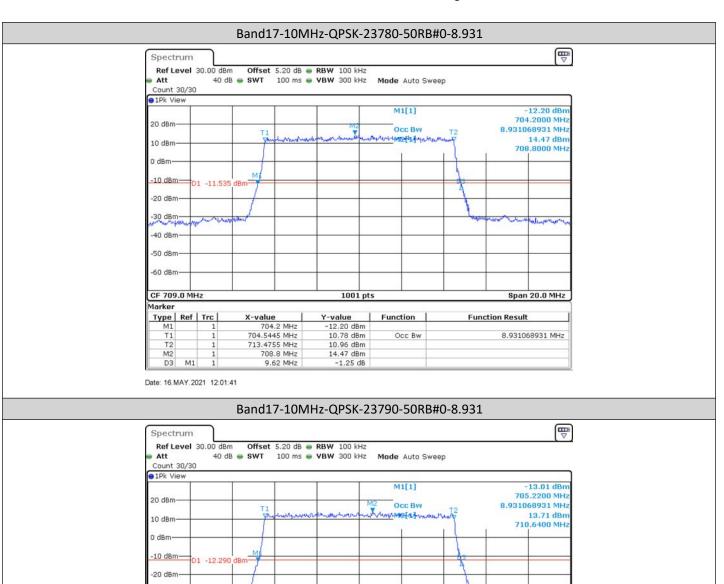
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4.485514486 MHz

Report No.: SAR/2021/4000901

Page: 28 of 50



CF 710	.0 MH	lz		1001 pts	5	Span 20.0 MHz
1arker			121	127	2.0	1100-000,000
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	705.22 MHz	-13.01 dBm		
T1		1	705.5445 MHz	10.82 dBm	Occ Bw	8.931068931 MHz
T2		1	714.4755 MHz	9.93 dBm		
M2		1	710.64 MHz	13.71 dBm		
D3	M1	1	9.64 MHz	-0.36 dB		



-40 dBm--50 dBm-

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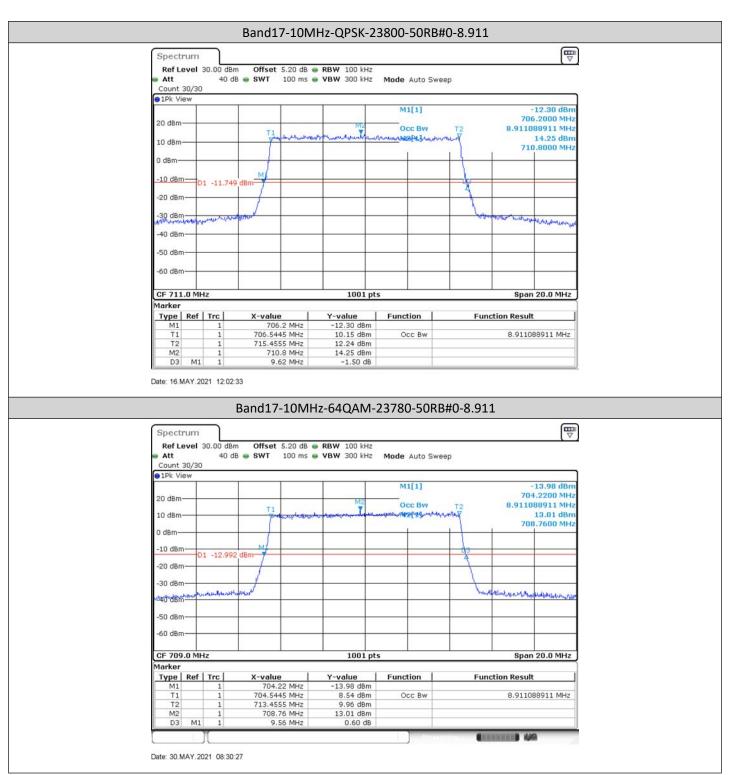
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mountain

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Page: 29 of 50





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Report No.: SAR/2021/4000901

Page: 30 of 50





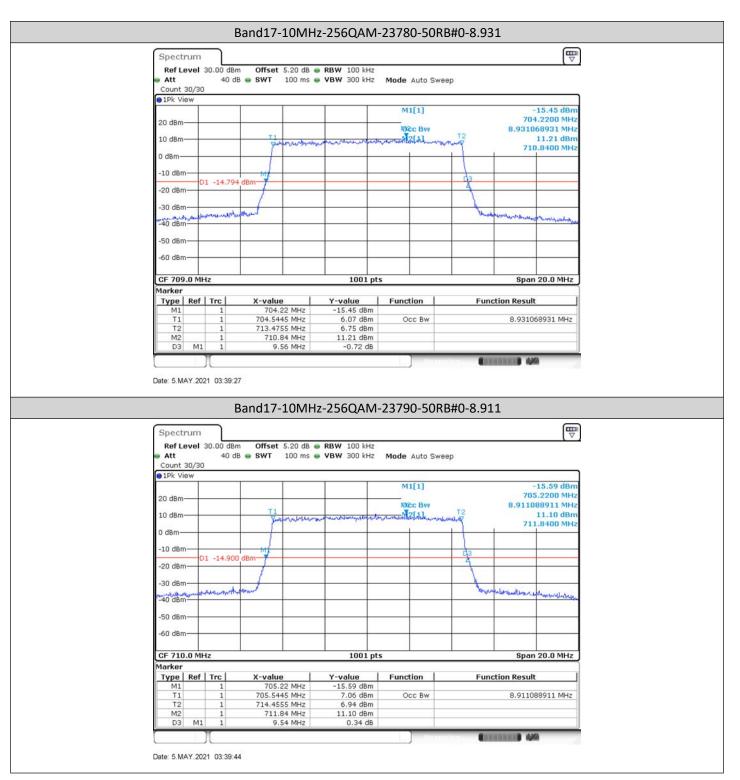
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Report No.: SAR/2021/4000901

Page: 31 of 50





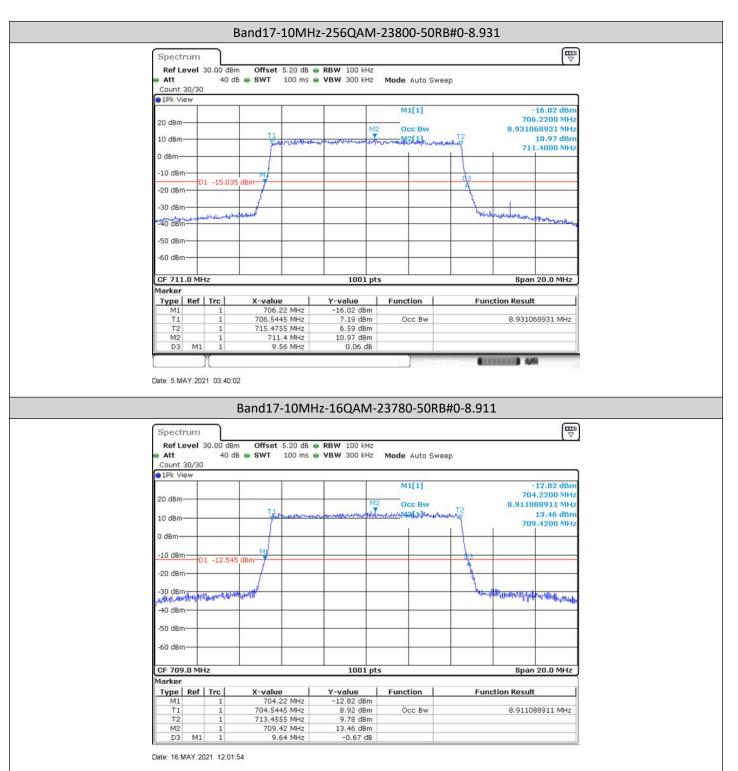
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Page: 32 of 50





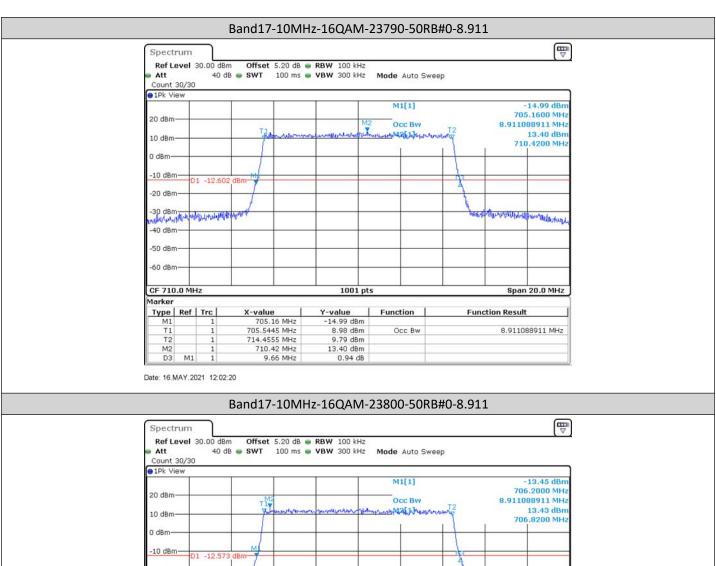
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Report No.: SAR/2021/4000901

Page: 33 of 50



5									706.8200 MH
0 dBm-	-		+++	1	+			_	7
-10 dBm	D	1 -12.5	573 dBm				1		
-20 dBm	-		1		+ +		1		
-30 dBm	de project	(Kindle)	distance of the second					Special Mesons	Shahallerhofffelharan
-40 dBm	+								
-50 dBm	+			-				-	_
-60 dBm	+								
CF 711	.0 MF	lz			1001 pt	s	2	- 1	Span 20.0 MHz
1arker			4	101			13:		
Type	Ref	Trc	X-valu	e	Y-value	Function	J	Function R	esult
M1		1	706	5.2 MHz	-13.45 dBm				
T1		1	706.54	45 MHz	10.70 dBm	Occ Bw		8.	911088911 MHz
T2		1	715.45	55 MHz	8.98 dBm				
M2		1	706.	82 MHz	13.43 dBm				
	M1	1	0	64 MHz	-0.33 dB				



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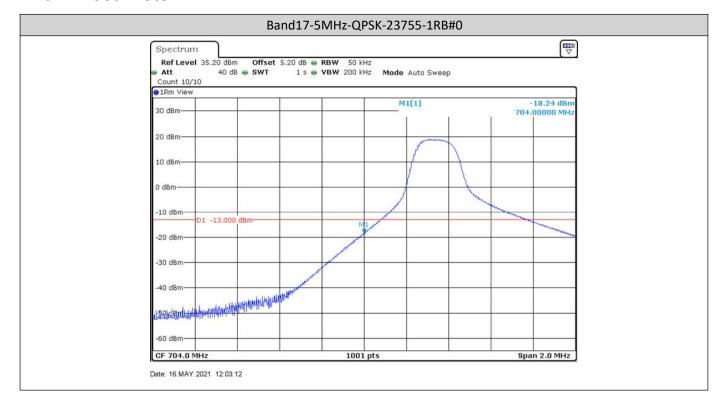
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34 of 50 Page:

5. Band Edge Compliance

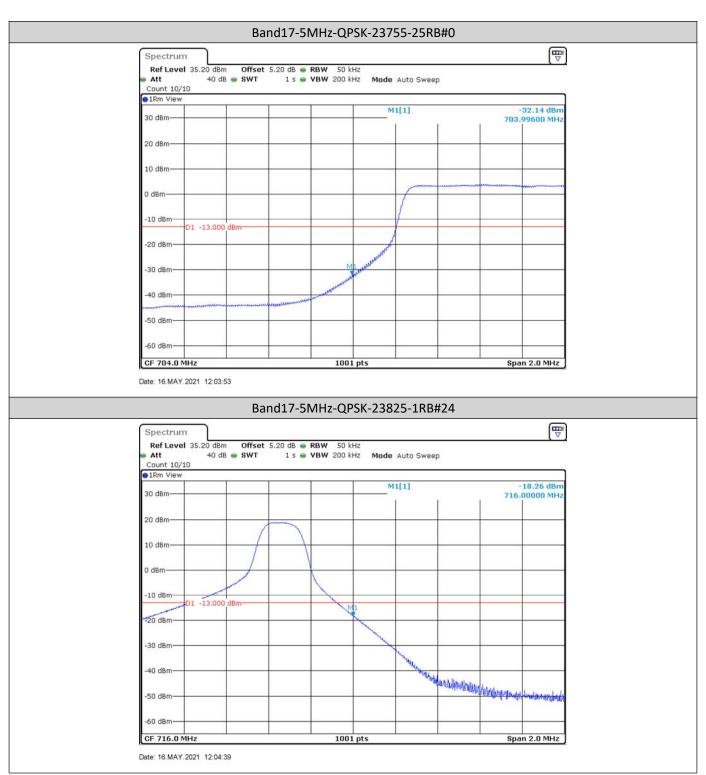
5.1. Test Plots





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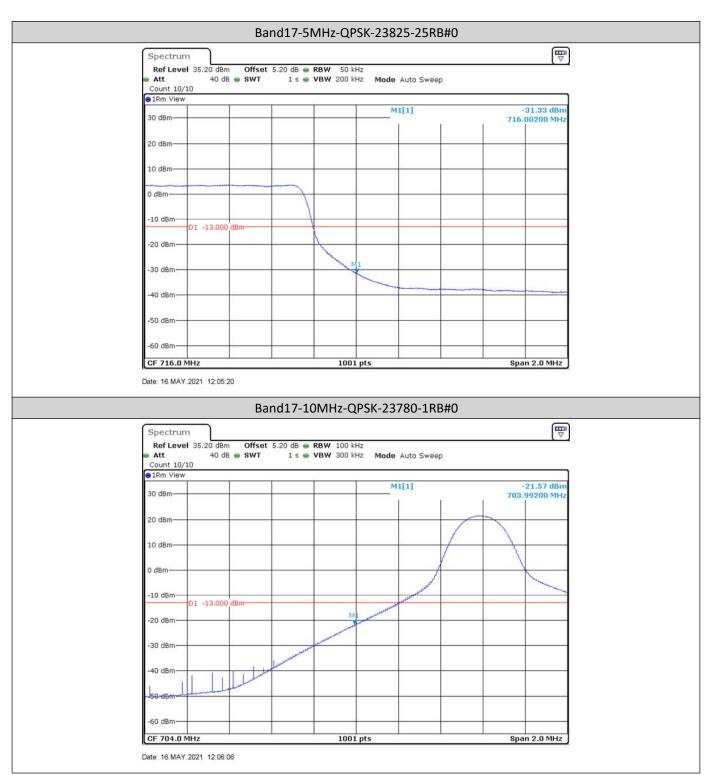
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Report No.: SAR/2021/4000901

Page: 36 of 50





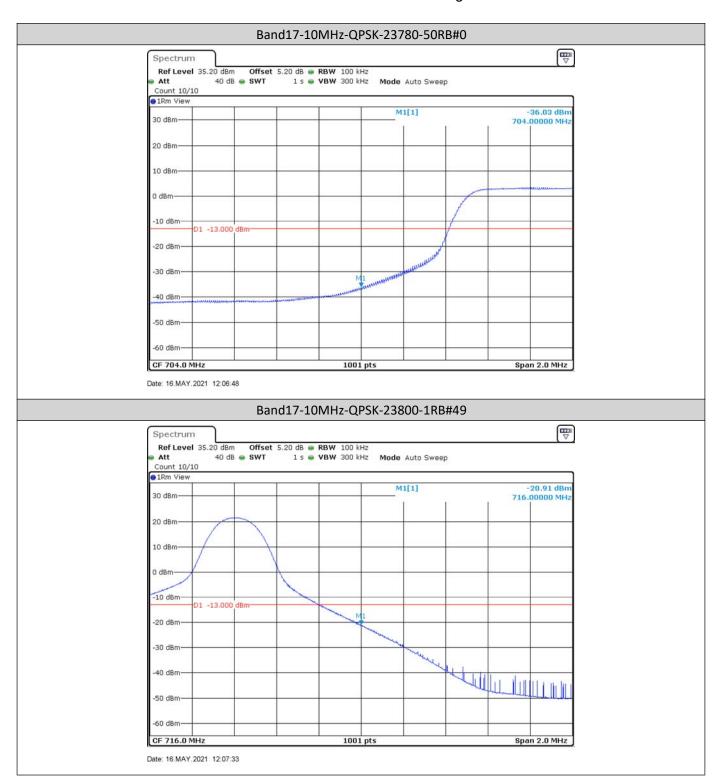
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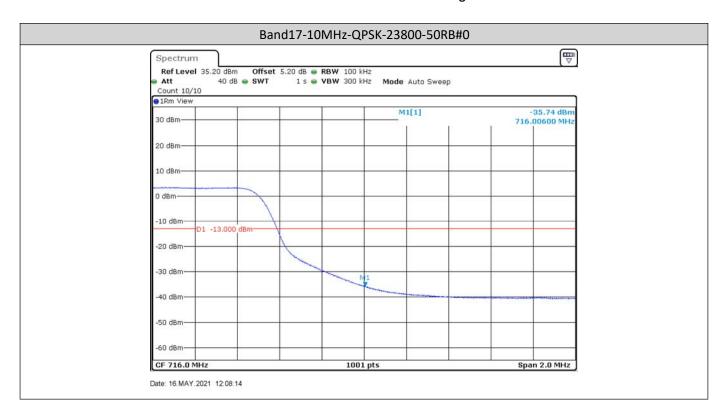
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Report No.: SAR/2021/4000901

38 of 50 Page:





Page: 39 of 50

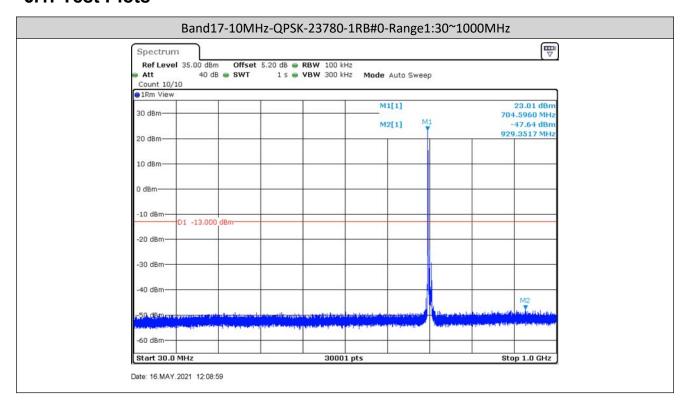
6. Spurious Emission at Antenna Terminal

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

Remark2: 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.

Remark3: 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.

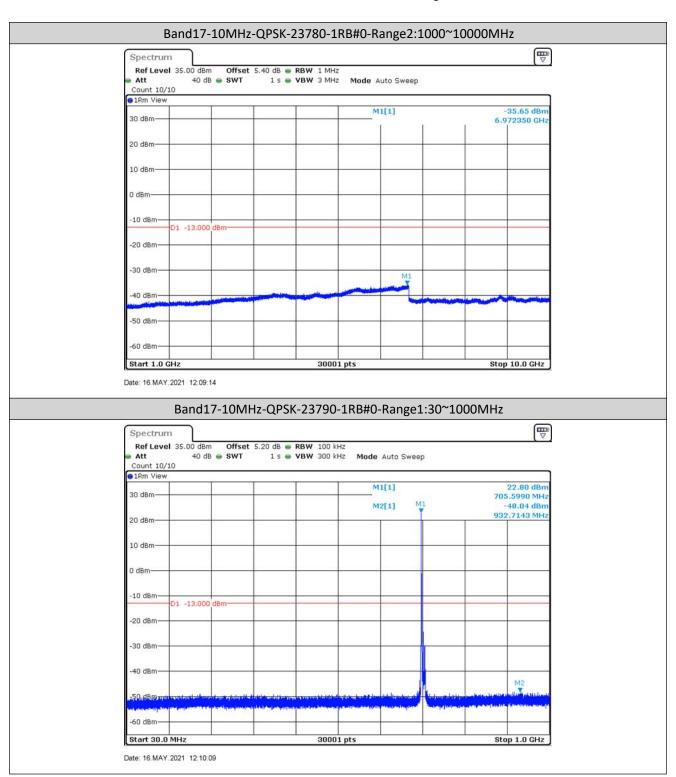
6.1. Test Plots





Report No.: SAR/2021/4000901

Page: 40 of 50





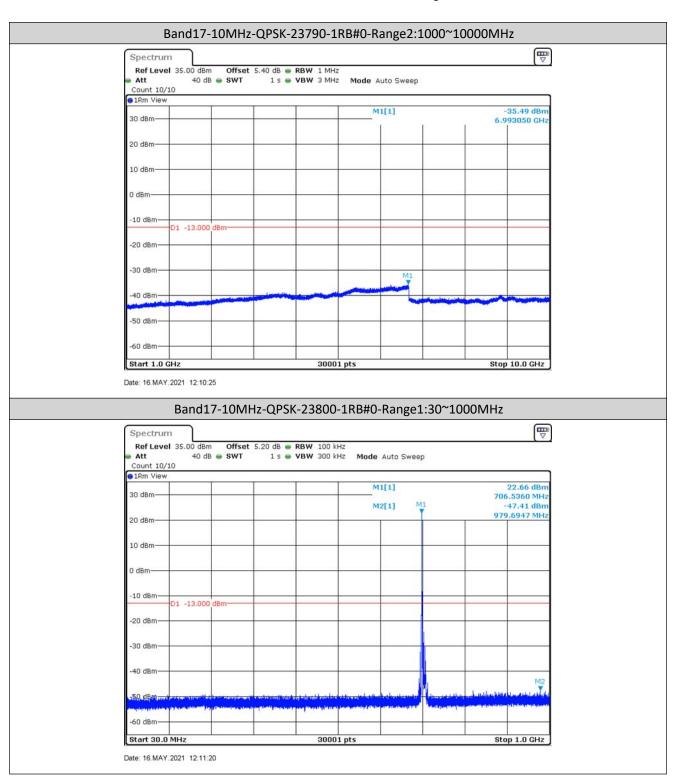
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Report No.: SAR/2021/4000901

Page: 41 of 50





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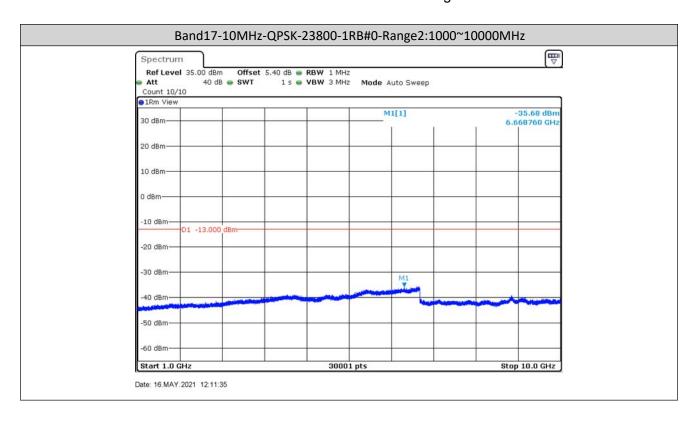
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Report No.: SAR/2021/4000901

Page: 42 of 50





43 of 50 Page:

7. Field Strength of Spurious Radiation

7.1. Test Band = Band 17

7.1.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1409.2205	41.08	-47.98	-13.00	34.98	Horizontal	
2	2142.1571	28.59	-58.72	-13.00	45.72	Horizontal	
3	3193.7097	29.64	-53.19	-13.00	40.19	Horizontal	
4	6947.1974	28.77	-42.58	-13.00	29.58	Horizontal	
5	9925.0463	46.35	-51.69	-13.00	38.69	Horizontal	
6	17894.944	46.83	-46.56	-13.00	33.56	Horizontal	



Page: 44 of 50

7.2. Test Band = Band 17

7.2.1. Test Channel = Low Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1406.2203	40.65 -48.42		-13.00	-13.00 35.42		
2	2343.7672	32.69	-53.96	-13.00	40.96	Vertical	
3	3751.1376	28.39	-52.90	-13.00	39.90	Vertical	
4	6957.0979	28.65	-42.74	-13.00	29.74	Vertical	
5	13370.968	44.96	-47.91	-13.00	34.91	Vertical	
6	17982.949	46.92	-47.28	-13.00	34.28	Vertical	



Page: 45 of 50

7.3. Test Band = Band 17

7.3.1. Test Channel = Mid Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1411.3206	41.12	-47.94	-13.00	34.94	Horizontal	
2	1718.8359	31.76	-57.26	-13.00	44.26	Horizontal	
3	3021.5011	29.55	-53.51	-13.00	40.51	Horizontal	
4	4959.2980	28.12	-46.73	-13.00	33.73	Horizontal	
5	10701.685	46.46	-50.80	-13.00	37.80	Horizontal	
6	17989.549	47.60	-46.65	-13.00	33.65	Horizontal	



Page: 46 of 50

7.4. Test Band = Band 17

7.4.1. Test Channel = Mid Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1406.2203	41.03	-48.04	-13.00	35.04	Vertical	
2	1718.8359	36.36	-52.66	-13.00	39.66	Vertical	
3	5517.9259	28.56	-45.64	-13.00	32.64	Vertical	
4	6951.6976	28.54	-42.76	-13.00	29.76	Vertical	
5	11772.0386	45.75	-49.47	-13.00	36.47	Vertical	
6	17995.049	47.34	-46.95	-13.00	33.95	Vertical	



Page: 47 of 50

7.5. Test Band = Band 17

7.5.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1413.1207	40.11	-48.94	-13.00	35.94	Horizontal	
2	1718.8359	31.08	-57.94	-13.00	44.94	Horizontal	
3	5110.8055	29.29	-46.06	-13.00	33.06	Horizontal	
4	6959.1980	29.20	-42.22	-13.00	29.22	Horizontal	
5	11231.3616	46.71	-49.30	-13.00	36.30	Horizontal	
6	17953.247	47.08	-46.92	-13.00	33.92	Horizontal	



Page: 48 of 50

7.6. Test Band = Band 17 7.6.1. Test Channel = High Channel

NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity	
1	1413.1207	41.07	-47.98	-13.00	34.98	Vertical	
2	1718.8359	36.08	-52.94	-13.00	39.94	Vertical	
3	3075.5038	29.54	-53.71	-13.00	40.71	Vertical	
4	6941.1971	28.97	-42.54	-13.00	29.54	Vertical	
5	11178.5589	46.51	-49.30	-13.00	36.30	Vertical	
6	17797.589	48.16	-46.57	-13.00	33.57	Vertical	

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.
- 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 displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



Page: 49 of 50

8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-3.10	-0.004372	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	1.90	0.002680	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-0.40	-0.000564	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	5.70	0.008028	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.30	-0.003239	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-1.90	-0.002676	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	4.90	0.006892	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	8.20	0.011533	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	2.70	0.003797	±2.5	PASS



50 of 50 Page:

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-0.80	-0.001128	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-0.80	-0.001128	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	-0.60	-0.000846	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	1.70	0.002398	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	2.70	0.003808	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-1.90	-0.002680	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	1.90	0.002680	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-3.60	-0.005078	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	1.30	0.001834	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	5.00	0.007042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	0.80	0.001127	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	3.50	0.004930	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.40	-0.003380	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	2.70	0.003803	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-0.70	-0.000986	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-1.30	-0.001828	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	3.90	0.005485	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	6.60	0.009283	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	4.90	0.006892	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	-1.50	-0.002110	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	0.50	0.000703	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	9.30	0.013080	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-3.90	-0.005485	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	2.60	0.003657	±2.5	PASS

