Page: 1 of 68

Appendix B

E-UTRA Band 25



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Page: 2 of 68

CONTENT

1.	EFF	FECTIVE (ISOTROPIC) RADIATED POWER	
	1.1.	TEST RESULT	
2.	PEA	AK-TO-AVERAGE RATIO(CCDF)	10
	2.1.	TEST RESULT	10
	2.2.	TEST PLOTS	10
3.	МС	DDULATION CHARACTERISTICS	14
	3.1.	TEST BAND = LTE BAND 25	14
	3.2.	TEST MODE = LTE /TM1 20MHz	14
	3.2.1.	TEST CHANNEL = MCH	14
	3.3.	TEST MODE = LTE /TM2 20MHz	15
	3.3.1.	TEST CHANNEL = MCH	15
4.	260	DB BANDWIDTH AND OCCUPIED BANDWIDTH	16
	4.1.	TEST RESULT	16
	4.2.	TEST PLOTS	17
5.	BA	ND EDGE COMPLIANCE	35
	5.1.	TEST PLOTS	35
6.	SPU	URIOUS EMISSION AT ANTENNA TERMINAL	59
	6.1.	TEST PLOTS	59
7.	FIE	LD STRENGTH OF SPURIOUS RADIATION	65
	7.1.	TEST BAND = LTE BAND 25	65
	7.1.1.	TEST MODE =LTE/TM1 20MHz	65
	7.1.1.1	1. Test Channel = LCH	65
	7.1.1.2	2. Test Channel = MCH	65
	7.1.1.3	3. TEST CHANNEL = HCH	66
8.	FRE	EQUENCY STABILITY	67
	8.1.	FREQUENCY VS VOLTAGE	67
	8.2.	FREQUENCY VS TEMPERATURE	67



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Page: 3 of 68

1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB	Conducted	EIRP	Limit	Verdict
DAND	Danawidin	Modulation	Onamici	Configuration	Power(dBm)	(dBm)	(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	23.01	24.60	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.18	24.77	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.06	24.65	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#0	23.13	24.72	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#1	23.18	24.77	33.00	PASS
Band25	1.4MHz	QPSK	26047	3RB#3	23.27	24.86	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.17	23.76	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.90	24.49	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.99	24.58	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.84	24.43	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#0	23.24	24.83	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#1	23.49	25.08	33.00	PASS
Band25	1.4MHz	QPSK	26365	3RB#3	23.41	25.00	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.49	24.08	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.83	24.42	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.47	24.06	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.13	23.72	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#0	22.62	24.21	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#1	22.51	24.10	33.00	PASS
Band25	1.4MHz	QPSK	26683	3RB#3	22.03	23.62	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.29	23.88	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.66	23.25	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.65	23.24	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.61	23.20	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#0	21.95	23.54	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#1	22.27	23.86	33.00	PASS
Band25	1.4MHz	16QAM	26047	3RB#3	22.04	23.63	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.05	22.64	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.80	23.39	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.85	23.44	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.64	23.23	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#0	21.54	23.13	33.00	PASS



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Report No.: HR/2019/10016E-0101

Page: 4 of 68

Band25	1.4MHz	16QAM	26365	3RB#1	22.32	23.91	33.00	PASS
Band25	1.4MHz	16QAM	26365	3RB#3	22.24	23.83	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.18	22.77	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.78	23.37	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.75	23.34	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.27	22.86	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#0	22.42	24.01	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#1	22.16	23.75	33.00	PASS
Band25	1.4MHz	16QAM	26683	3RB#3	21.78	23.37	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	22.05	23.64	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.19	24.78	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#8	23.32	24.91	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.25	24.84	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#0	22.16	23.75	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#4	22.35	23.94	33.00	PASS
Band25	3MHz	QPSK	26055	8RB#7	22.26	23.85	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.22	23.81	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.93	24.52	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.47	25.06	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.16	24.75	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#0	22.37	23.96	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#4	22.35	23.94	33.00	PASS
Band25	3MHz	QPSK	26365	8RB#7	22.31	23.90	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.32	23.91	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.43	25.02	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.91	24.50	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	21.73	23.32	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#0	23.53	25.12	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#4	22.21	23.80	33.00	PASS
Band25	3MHz	QPSK	26675	8RB#7	22.13	23.72	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.44	24.03	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.86	23.45	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.79	23.38	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.87	23.46	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#0	20.84	22.43	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#4	21.04	22.63	33.00	PASS
Band25	3MHz	16QAM	26055	8RB#7	20.96	22.55	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.06	22.65	33.00	PASS



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Page: 5 of 68

Band25	3MHz	16QAM	26365	1RB#0	21.80	23.39	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.03	23.62	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.72	23.31	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#0	20.95	22.54	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#4	21.12	22.71	33.00	PASS
Band25	3MHz	16QAM	26365	8RB#7	21.07	22.66	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.21	22.80	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.07	23.66	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.49	23.08	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.27	22.86	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#0	21.59	23.18	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#4	21.14	22.73	33.00	PASS
Band25	3MHz	16QAM	26675	8RB#7	20.90	22.49	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.46	23.05	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.15	24.74	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.34	24.93	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.19	24.78	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#0	22.11	23.70	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#6	22.29	23.88	33.00	PASS
Band25	5MHz	QPSK	26065	12RB#13	22.21	23.80	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.19	23.78	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.14	24.73	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.29	24.88	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.18	24.77	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#0	22.24	23.83	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#6	22.39	23.98	33.00	PASS
Band25	5MHz	QPSK	26365	12RB#13	22.18	23.77	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.28	23.87	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.43	25.02	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.07	24.66	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#24	21.76	23.35	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#0	22.56	24.15	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#6	22.38	23.97	33.00	PASS
Band25	5MHz	QPSK	26665	12RB#13	22.02	23.61	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.54	24.13	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.00	23.59	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.73	23.32	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.87	23.46	33.00	PASS



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Page: 6 of 68

Band25	5MHz	16QAM	26065	12RB#0	20.76	22.35	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#6	21.16	22.75	33.00	PASS
Band25	5MHz	16QAM	26065	12RB#13	21.10	22.69	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.21	22.80	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.46	23.05	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.74	23.33	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.81	23.40	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#0	20.66	22.25	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#6	21.03	22.62	33.00	PASS
Band25	5MHz	16QAM	26365	12RB#13	21.04	22.63	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.35	22.94	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	21.52	23.11	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.94	23.53	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.33	22.92	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#0	21.19	22.78	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#6	20.93	22.52	33.00	PASS
Band25	5MHz	16QAM	26665	12RB#13	20.68	22.27	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.63	23.22	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.09	24.68	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.63	25.22	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.91	24.50	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#0	22.36	23.95	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#12	22.34	23.93	33.00	PASS
Band25	10MHz	QPSK	26090	25RB#25	22.14	23.73	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.22	23.81	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.17	24.76	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	24.05	25.64	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.13	24.72	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#0	22.32	23.91	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#12	22.65	24.24	33.00	PASS
Band25	10MHz	QPSK	26365	25RB#25	22.27	23.86	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.31	23.90	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.50	24.09	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	24.53	26.12	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	21.33	22.92	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#0	23.77	25.36	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#12	22.40	23.99	33.00	PASS
Band25	10MHz	QPSK	26640	25RB#25	22.13	23.72	33.00	PASS



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Report No.: HR/2019/10016E-0101

Page: 7 of 68

Band25	10MHz	QPSK	26640	50RB#0	22.16	23.75	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	21.39	22.98	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	21.93	23.52	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	21.65	23.24	33.00	PASS
Band25	10MHz	16QAM	26090	27RB#0	21.89	23.48	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.37	22.96	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.11	23.70	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.64	23.23	33.00	PASS
Band25	10MHz	16QAM	26365	27RB#0	21.91	23.50	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.34	22.93	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.29	23.88	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.09	22.68	33.00	PASS
Band25	10MHz	16QAM	26640	27RB#0	22.16	23.75	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.05	24.64	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.39	24.98	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.91	24.50	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#0	22.39	23.98	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#18	22.41	24.00	33.00	PASS
Band25	15MHz	QPSK	26115	36RB#39	22.11	23.70	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.67	24.26	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.78	24.37	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.46	25.05	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.16	24.75	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#0	22.17	23.76	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#18	22.55	24.14	33.00	PASS
Band25	15MHz	QPSK	26365	36RB#39	22.25	23.84	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.28	23.87	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.71	24.30	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.86	25.45	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	21.55	23.14	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#0	23.11	24.70	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#18	22.51	24.10	33.00	PASS
Band25	15MHz	QPSK	26615	36RB#39	22.18	23.77	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.54	24.13	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.59	23.18	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.86	23.45	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.41	23.00	33.00	PASS
Band25	15MHz	16QAM	26115	27RB#0	22.11	23.70	33.00	PASS



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Report No.: HR/2019/10016E-0101

Page: 8 of 68

					<u> </u>	1	I	
Band25	15MHz	16QAM	26365	1RB#0	21.26	22.85	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.04	23.63	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.88	23.47	33.00	PASS
Band25	15MHz	16QAM	26365	27RB#0	22.16	23.75	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.67	23.26	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.33	22.92	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	21.41	23.00	33.00	PASS
Band25	15MHz	16QAM	26615	27RB#0	21.99	23.58	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.81	24.40	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.58	25.17	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.72	24.31	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#0	22.65	24.24	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#25	22.40	23.99	33.00	PASS
Band25	20MHz	QPSK	26140	50RB#50	22.04	23.63	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.92	24.51	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.67	24.26	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.56	24.15	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.05	24.64	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#0	22.21	23.80	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#25	22.60	24.19	33.00	PASS
Band25	20MHz	QPSK	26365	50RB#50	22.24	23.83	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.72	24.31	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.45	25.04	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.66	24.25	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.89	24.48	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#0	22.07	23.66	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#25	22.09	23.68	33.00	PASS
Band25	20MHz	QPSK	26590	50RB#50	21.92	23.51	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.98	23.57	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.89	23.48	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.05	23.64	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.92	23.51	33.00	PASS
Band25	20MHz	16QAM	26140	27RB#0	22.04	23.63	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.86	23.45	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.08	23.67	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.14	23.73	33.00	PASS
Band25	20MHz	16QAM	26365	27RB#0	22.10	23.69	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.93	23.52	33.00	PASS



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Report No.: HR/2019/10016E-0101

Page: 9 of 68

Band25	20MHz	16QAM	26590	1RB#49	21.92	23.51	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	21.82	23.41	33.00	PASS
Band25	20MHz	16QAM	26590	27RB#0	22.08	23.67	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]



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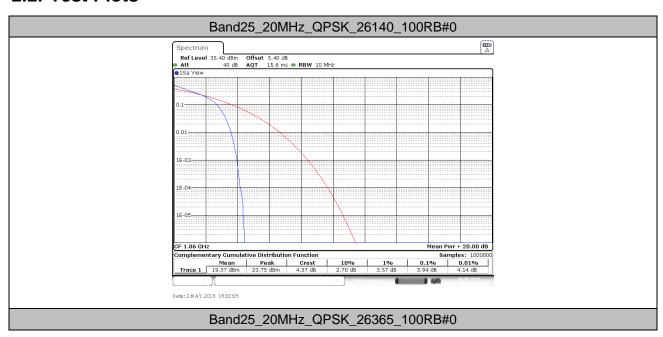
Page: 10 of 68

2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	3.94	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.00	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	4.17	13	PASS
Band25	20MHz	16QAM	26140	27RB#0	5.94	13	PASS
Band25	20MHz	16QAM	26365	27RB#0	5.71	13	PASS
Band25	20MHz	16QAM	26590	27RB#0	5.65	13	PASS

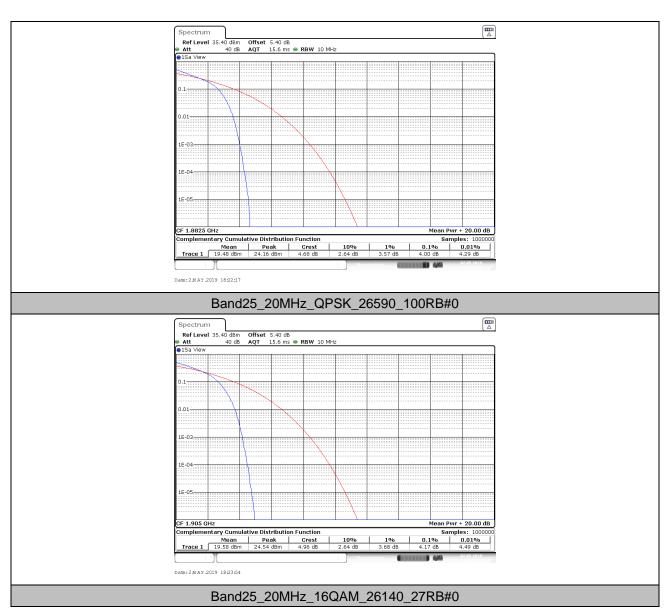
2.2. Test Plots





Report No.: HR/2019/10016E-0101

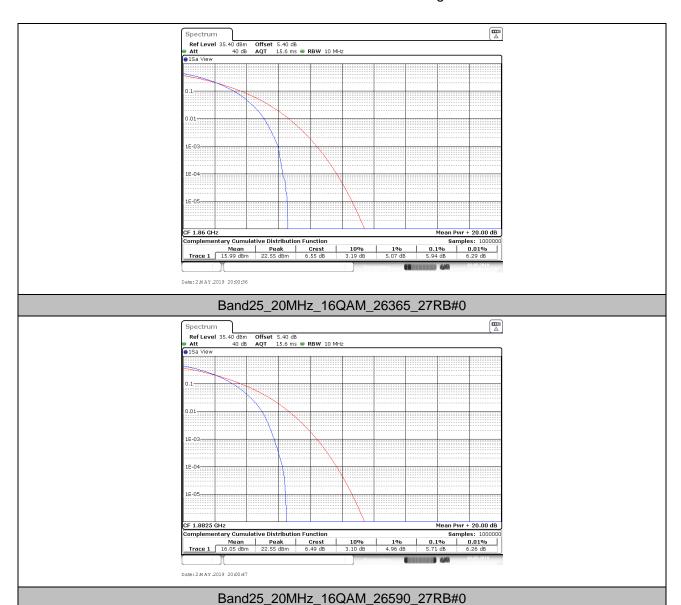
Page: 11 of 68





Report No.: HR/2019/10016E-0101

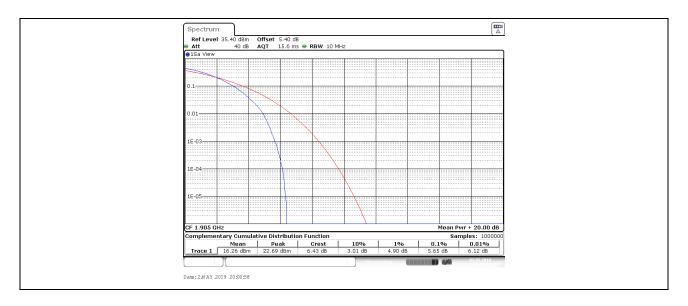
Page: 12 of 68





Report No.: HR/2019/10016E-0101

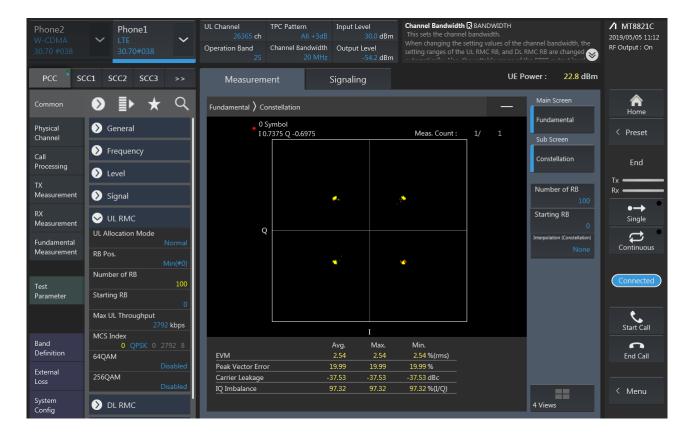
Page: 13 of 68



Page: 14 of 68

3. Modulation Characteristics

- 3.1. Test BAND = LTE Band 25
- 3.2. Test Mode = LTE /TM1 20MHz
- 3.2.1.Test Channel = MCH

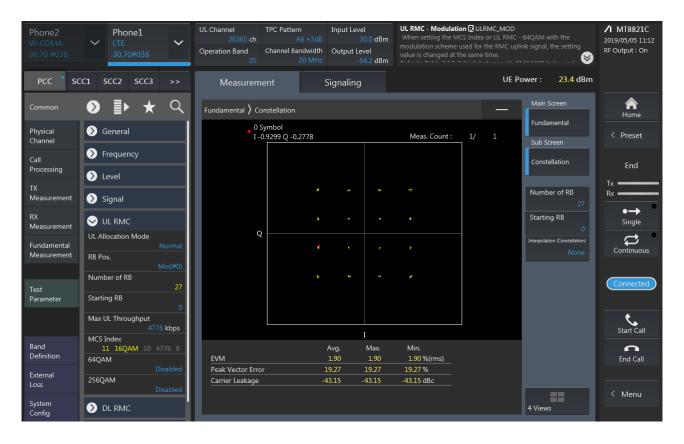




Page: 15 of 68

3.3. Test Mode = LTE /TM2 20MHz

3.3.1.Test Channel = MCH





Page: 16 of 68

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.088	1.239	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.088	1.233	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.088	1.239	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.085	1.236	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.088	1.236	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.085	1.233	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.697	3.000	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.697	3.006	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.697	3.006	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.685	2.976	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.685	2.988	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.685	2.982	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.476	4.900	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.466	4.880	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.466	4.890	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.486	4.920	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.496	4.940	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.486	4.900	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.931	9.700	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.931	9.720	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.911	9.700	PASS
Band25	10MHz	16QAM	26090	27RB#0	4.855	5.660	PASS
Band25	10MHz	16QAM	26365	27RB#0	4.855	5.640	PASS
Band25	10MHz	16QAM	26640	27RB#0	4.875	5.660	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.487	14.880	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.487	14.790	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.457	14.730	PASS
Band25	15MHz	16QAM	26115	27RB#0	5.065	6.060	PASS
Band25	15MHz	16QAM	26365	27RB#0	5.035	6.060	PASS
Band25	15MHz	16QAM	26615	27RB#0	5.035	6.030	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.902	19.440	PASS



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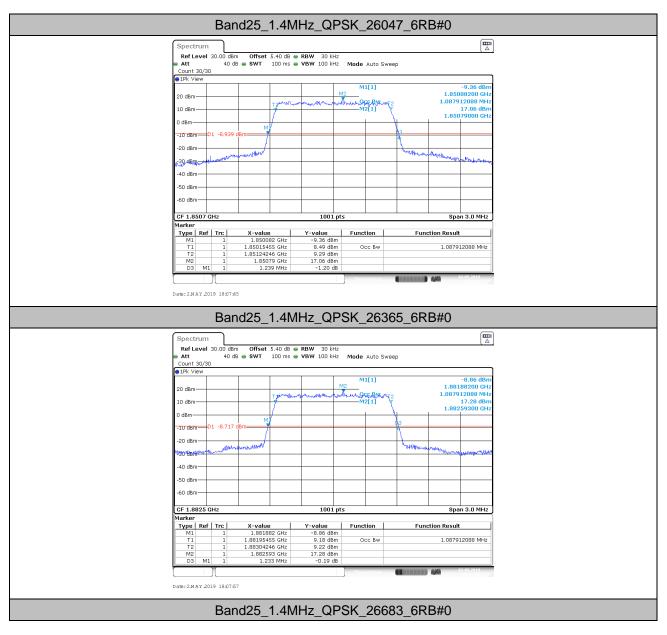


Report No.: HR/2019/10016E-0101

Page: 17 of 68

Band25	20MHz	QPSK	26365	100RB#0	17.902	19.480	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.862	19.360	PASS
Band25	20MHz	16QAM	26140	27RB#0	5.155	6.440	PASS
Band25	20MHz	16QAM	26365	27RB#0	5.115	6.480	PASS
Band25	20MHz	16QAM	26590	27RB#0	5.155	6.400	PASS

4.2. Test Plots





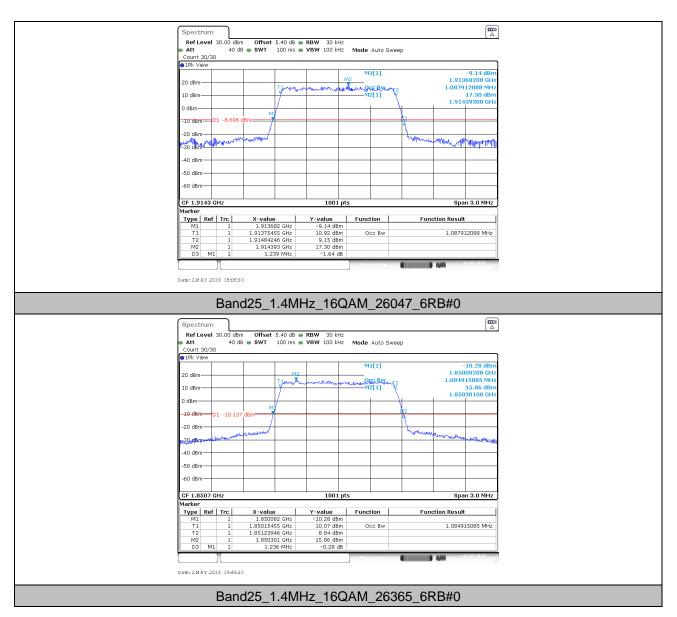
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Page: 18 of 68

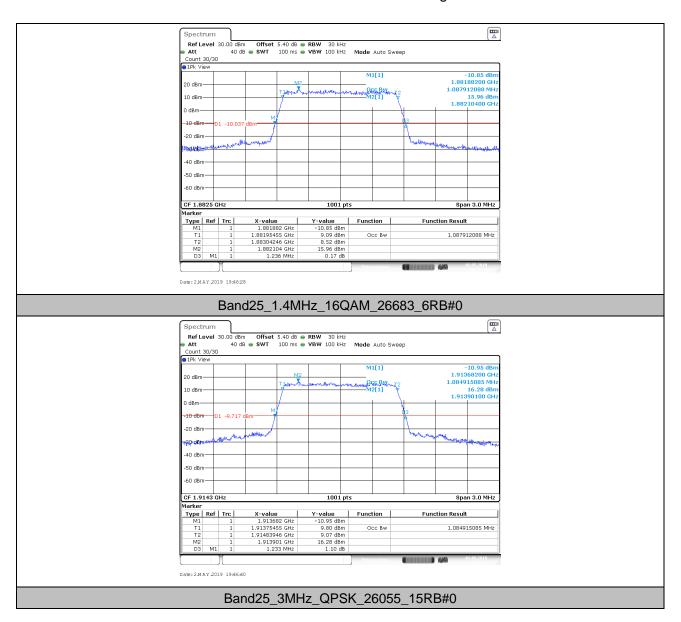






Report No.: HR/2019/10016E-0101

Page: 19 of 68

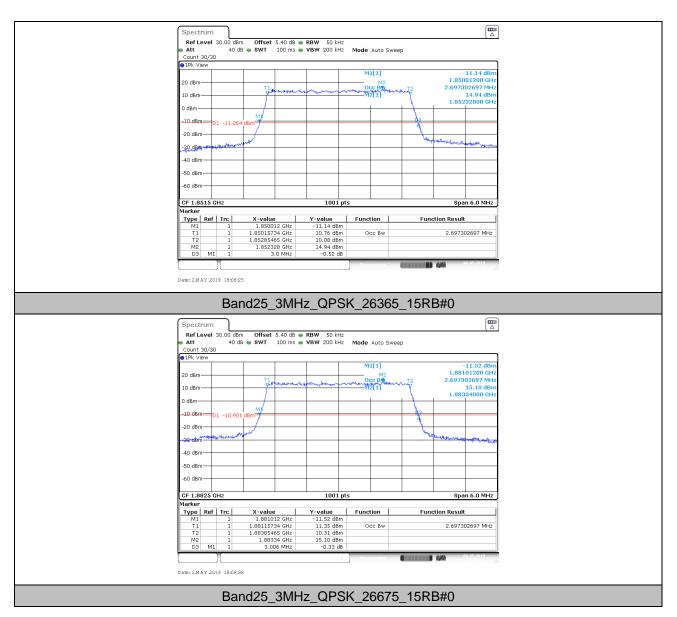






Report No.: HR/2019/10016E-0101

Page: 20 of 68

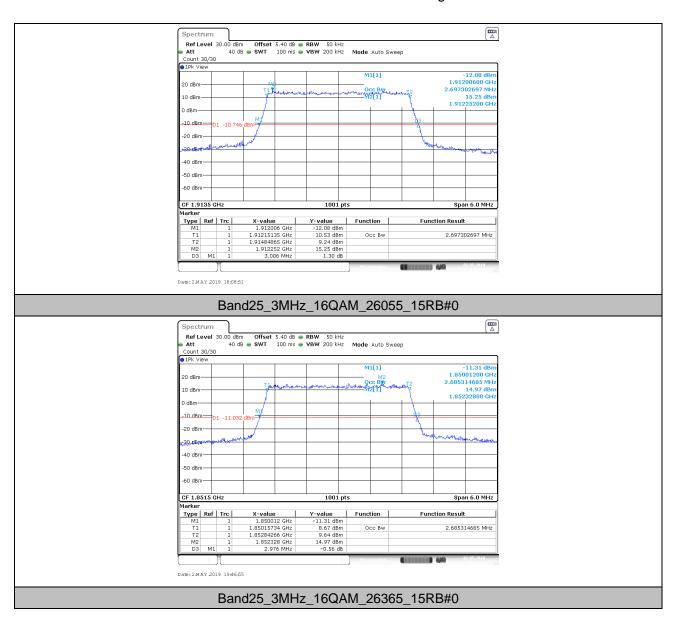






Report No.: HR/2019/10016E-0101

Page: 21 of 68

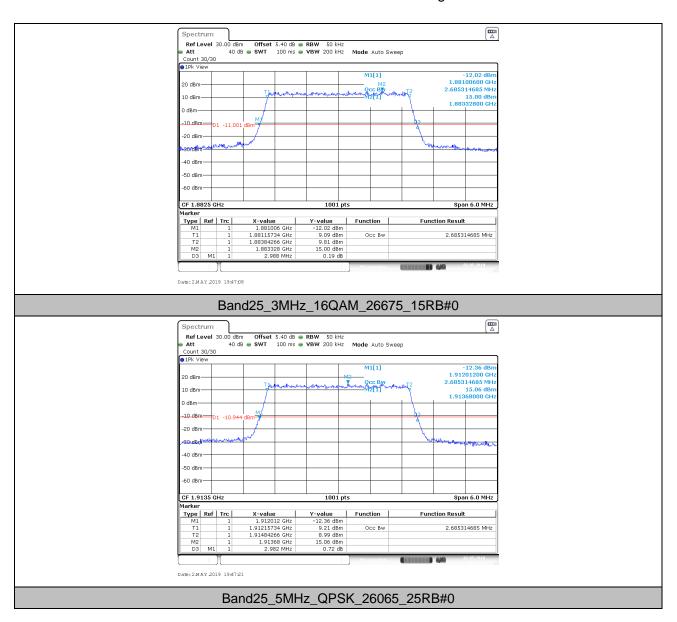






Report No.: HR/2019/10016E-0101

Page: 22 of 68

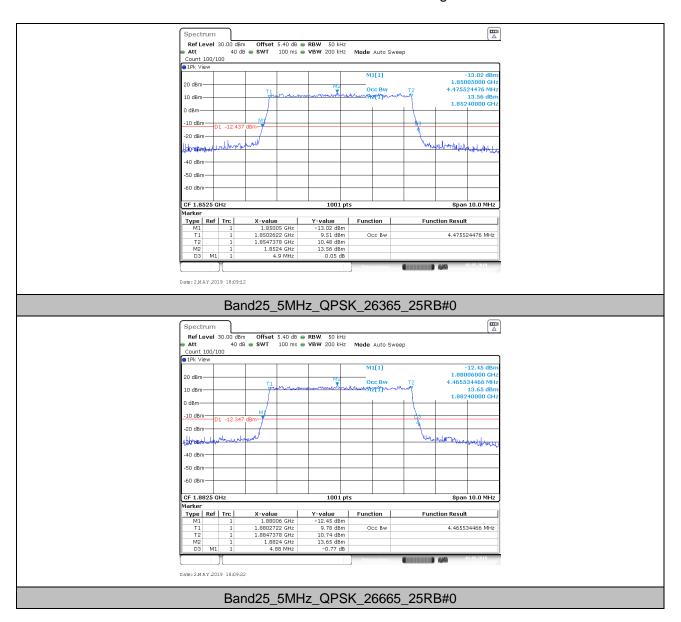






Report No.: HR/2019/10016E-0101

Page: 23 of 68

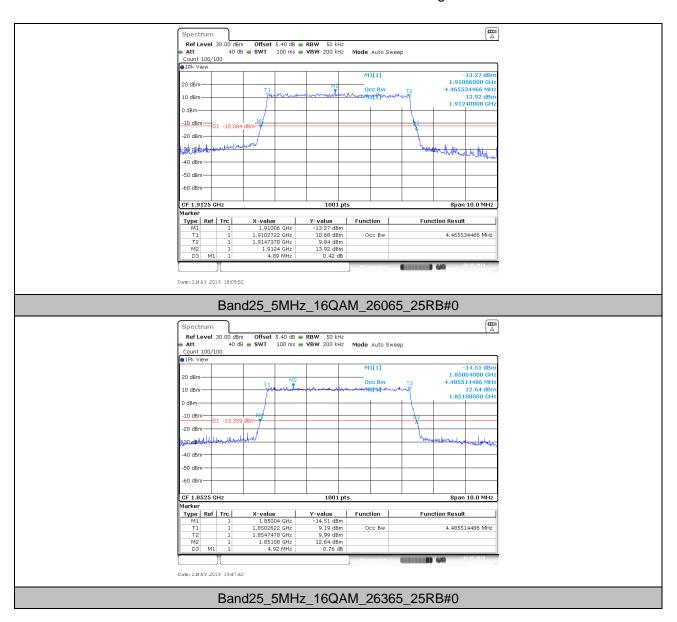






Report No.: HR/2019/10016E-0101

Page: 24 of 68





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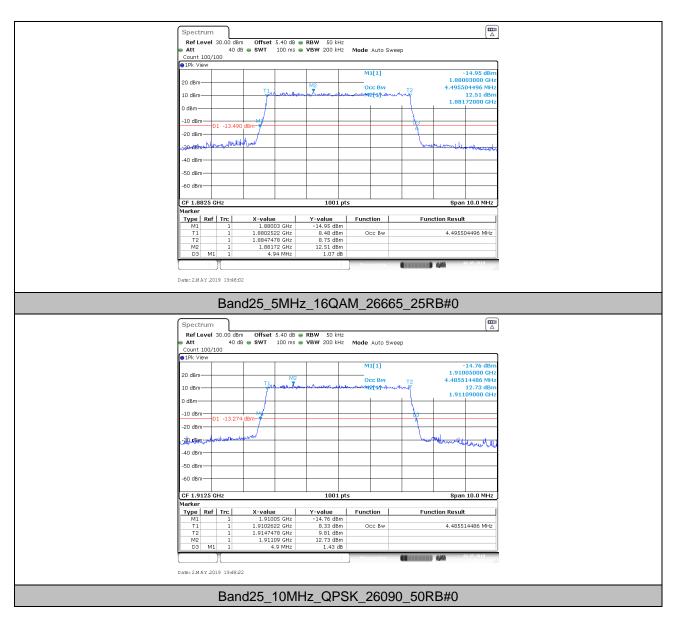
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Report No.: HR/2019/10016E-0101

Page: 25 of 68

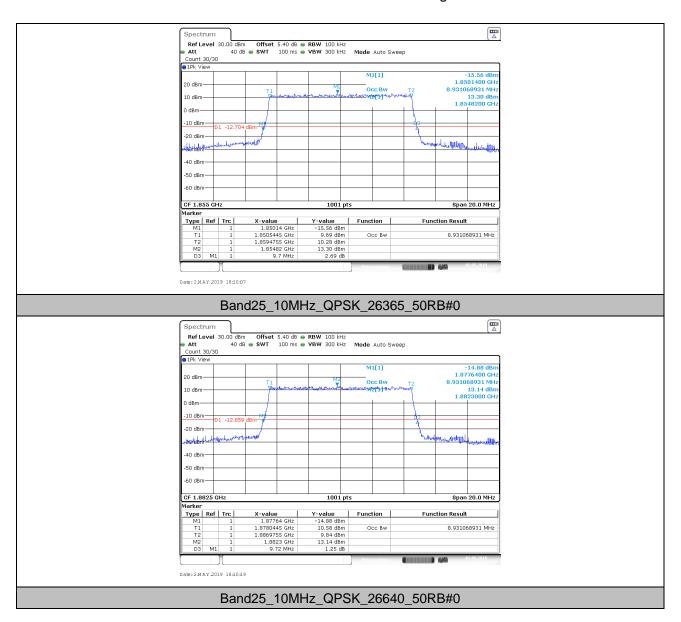






Report No.: HR/2019/10016E-0101

Page: 26 of 68

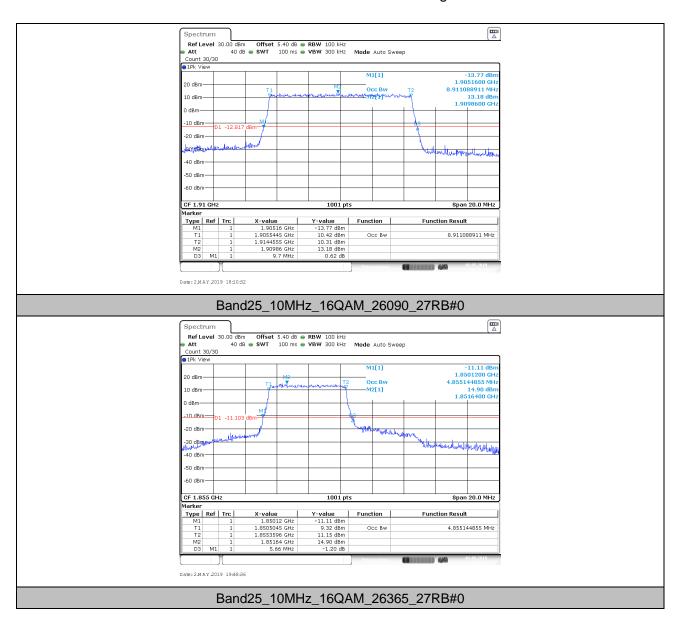






Report No.: HR/2019/10016E-0101

Page: 27 of 68

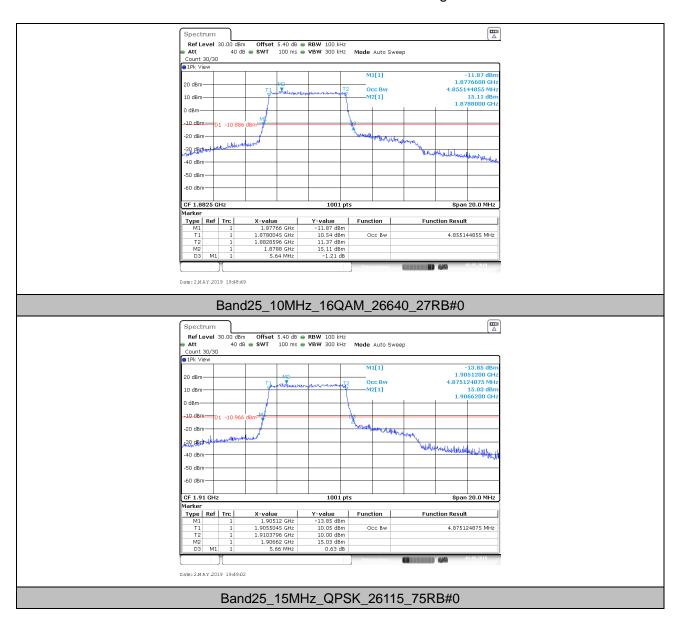






Report No.: HR/2019/10016E-0101

Page: 28 of 68

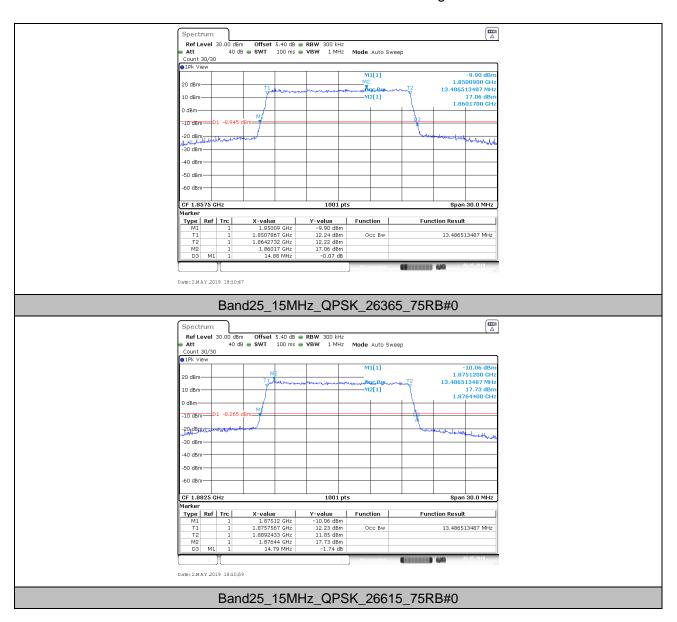






Report No.: HR/2019/10016E-0101

Page: 29 of 68





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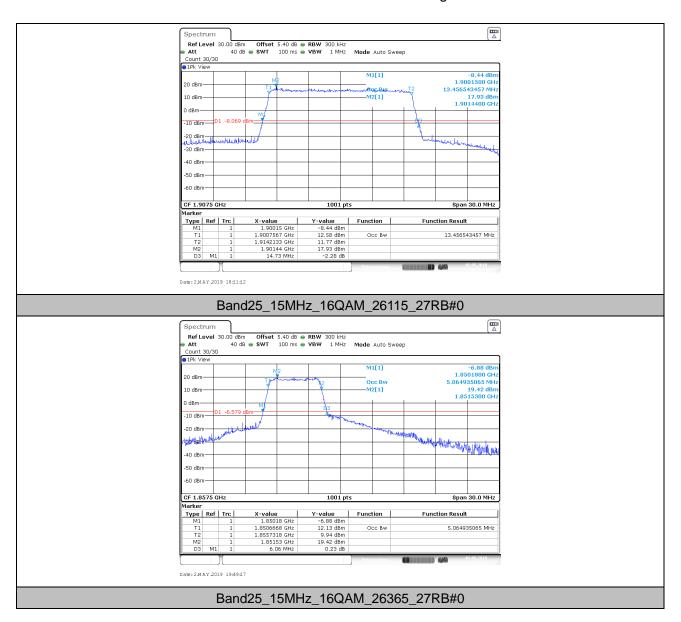
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Page: 30 of 68

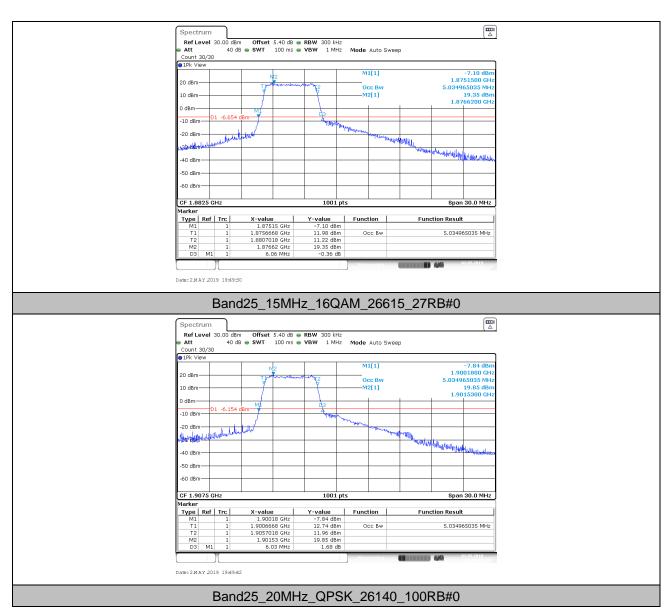






Report No.: HR/2019/10016E-0101

Page: 31 of 68

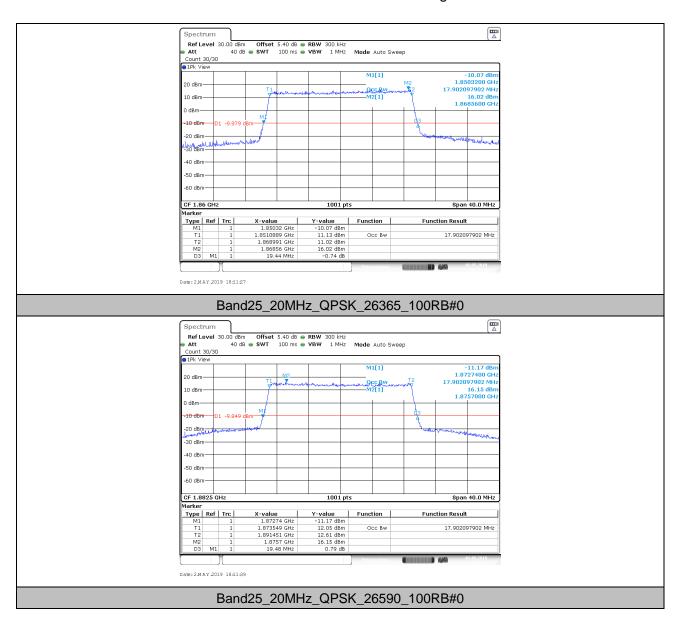






Report No.: HR/2019/10016E-0101

Page: 32 of 68

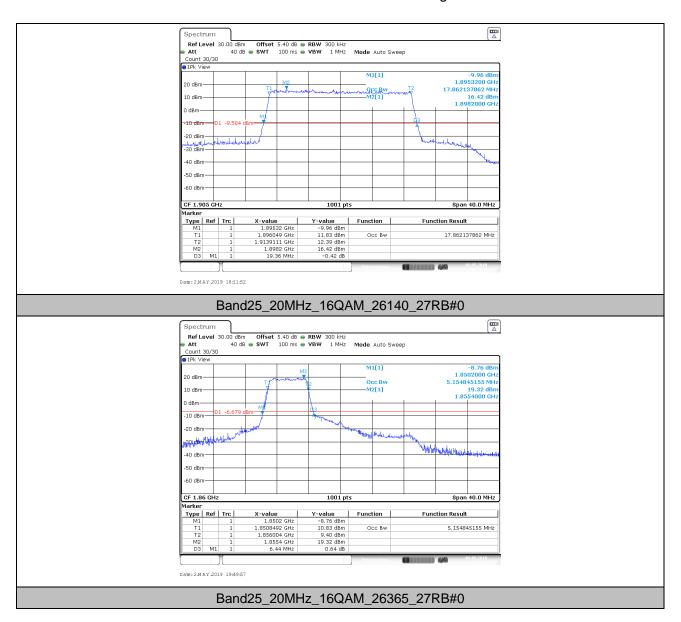






Report No.: HR/2019/10016E-0101

Page: 33 of 68





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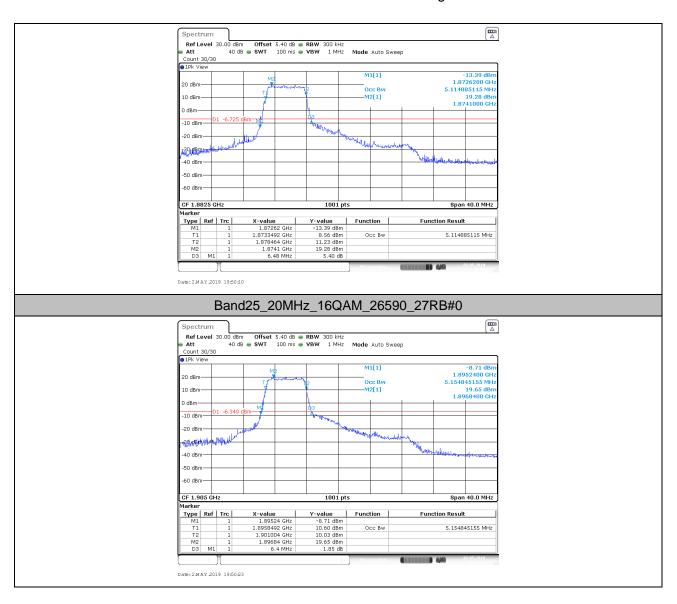
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Report No.: HR/2019/10016E-0101

Page: 34 of 68

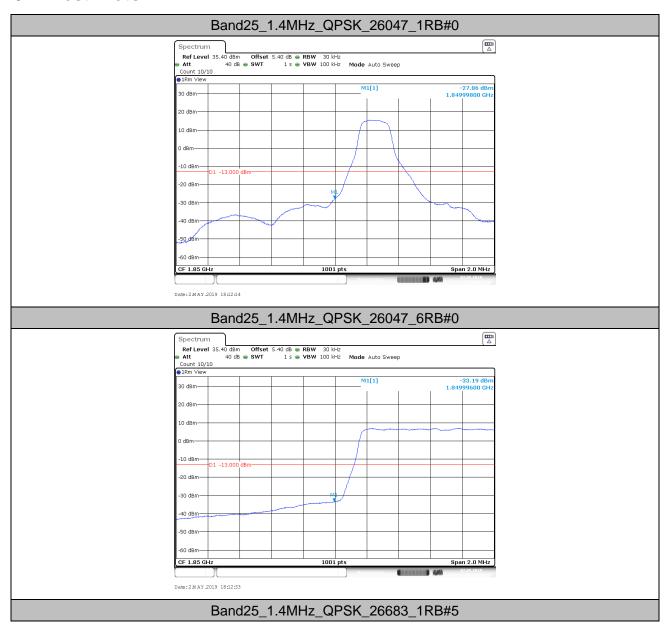




Page: 35 of 68

5. Band Edge Compliance

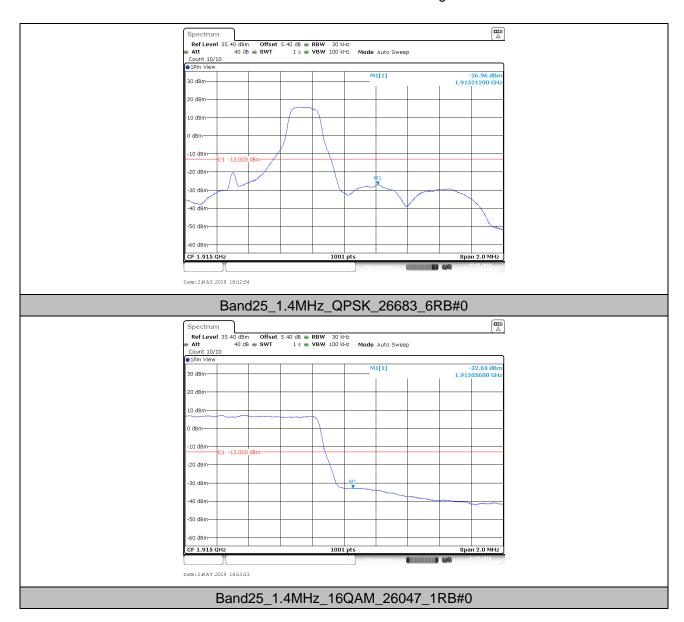
5.1. Test Plots





Report No.: HR/2019/10016E-0101

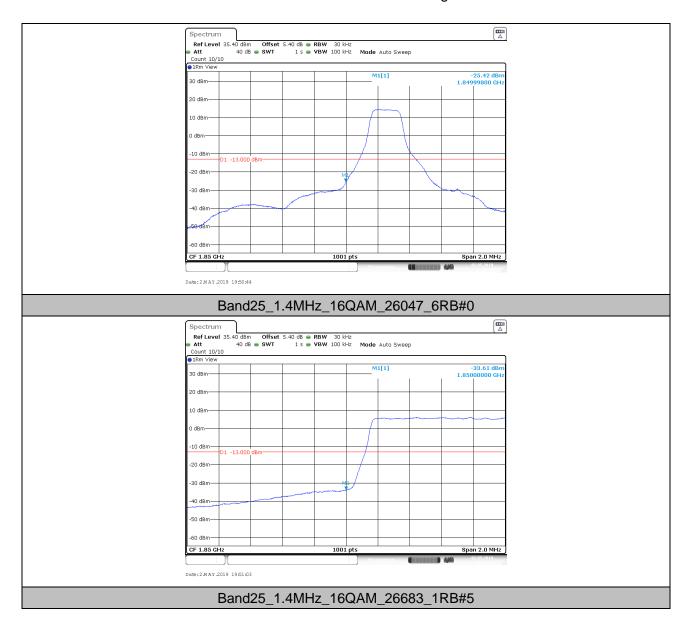
Page: 36 of 68





Report No.: HR/2019/10016E-0101

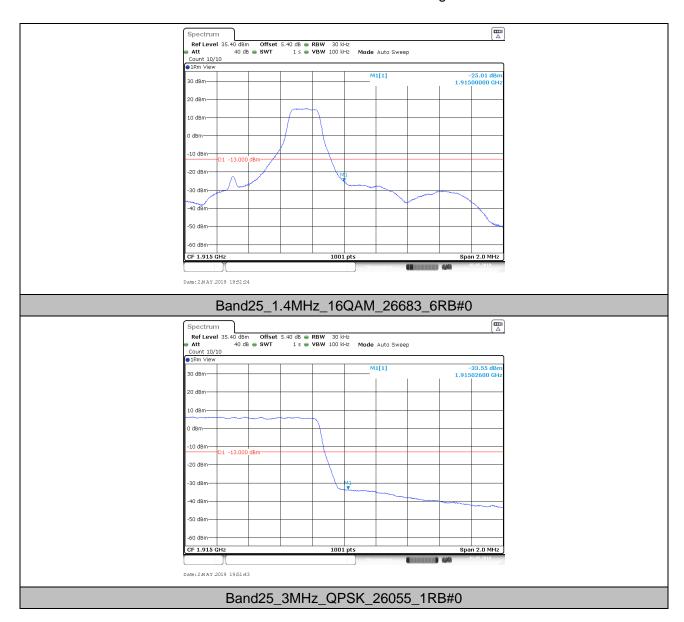
Page: 37 of 68





Report No.: HR/2019/10016E-0101

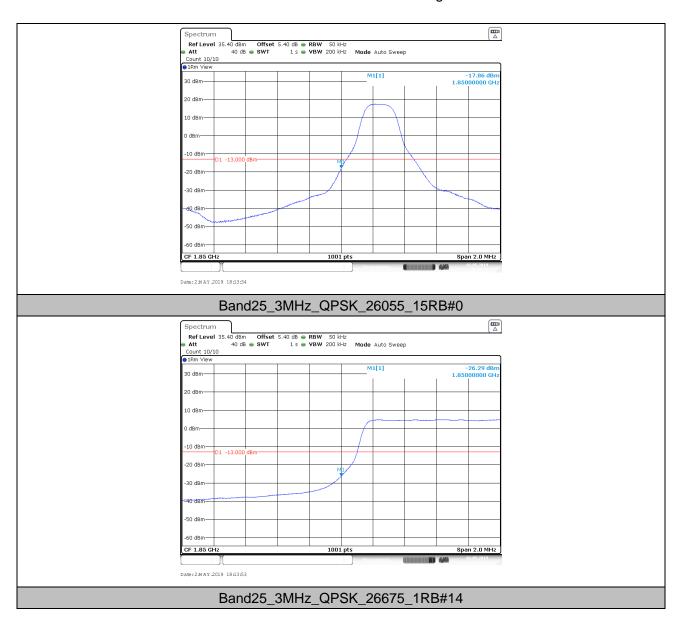
Page: 38 of 68





Report No.: HR/2019/10016E-0101

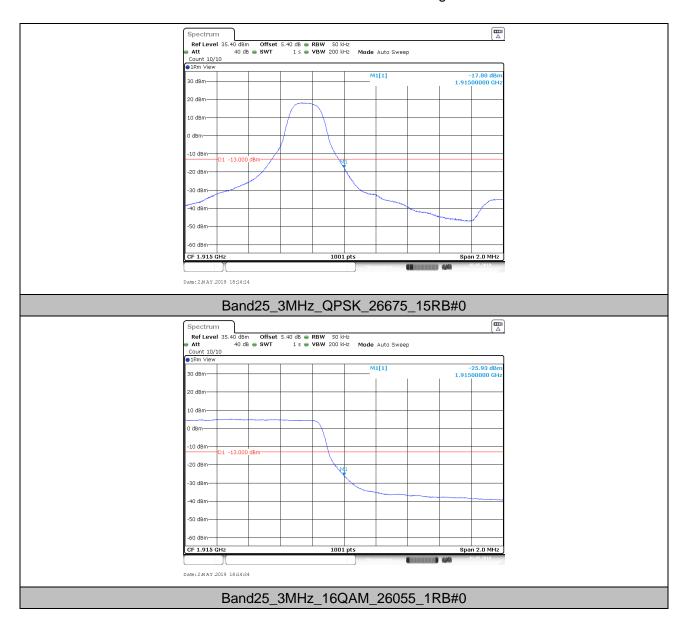
Page: 39 of 68





Report No.: HR/2019/10016E-0101

Page: 40 of 68

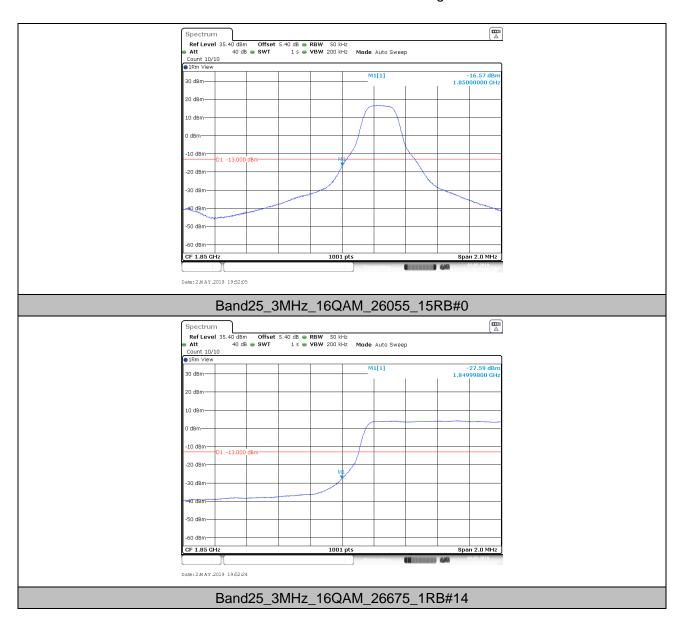






Report No.: HR/2019/10016E-0101

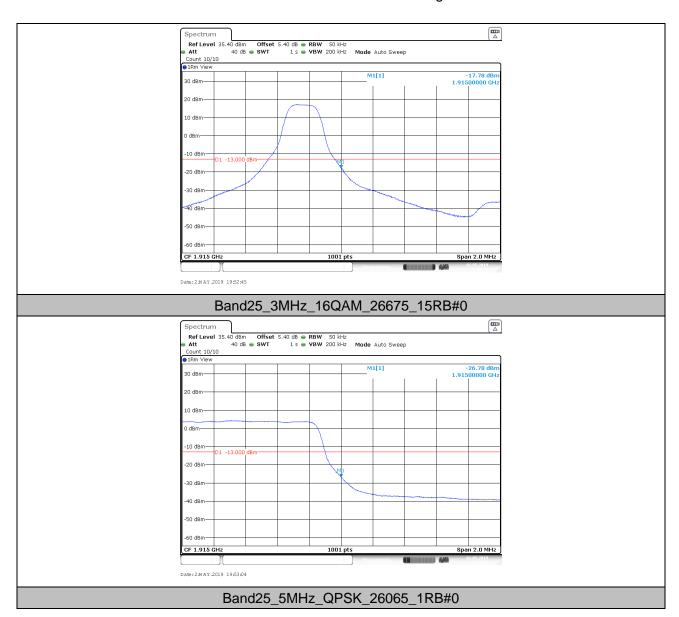
Page: 41 of 68





Report No.: HR/2019/10016E-0101

Page: 42 of 68

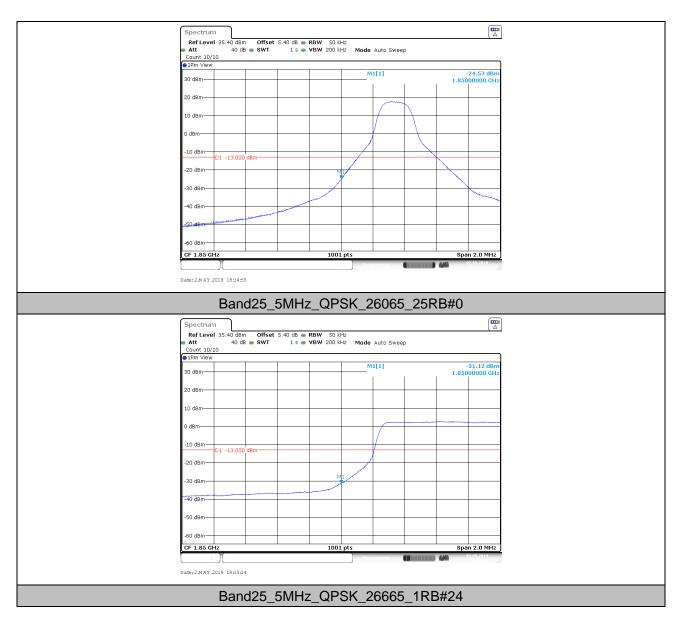






Report No.: HR/2019/10016E-0101

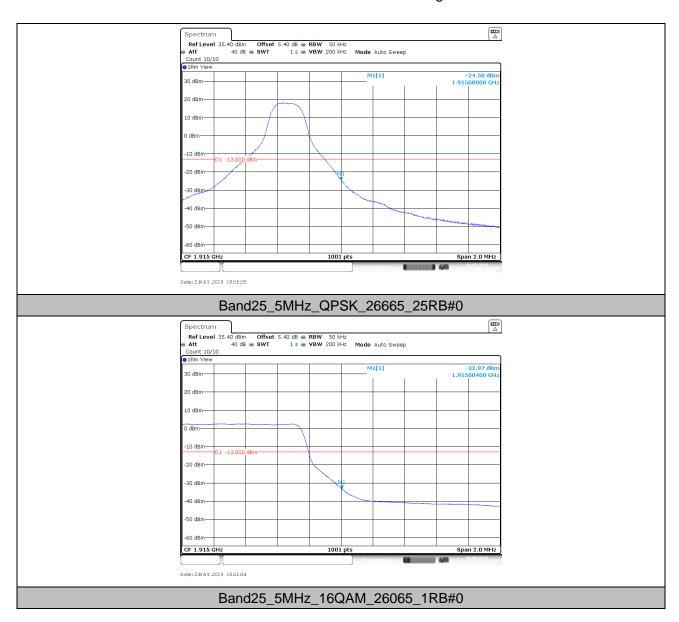
Page: 43 of 68





Report No.: HR/2019/10016E-0101

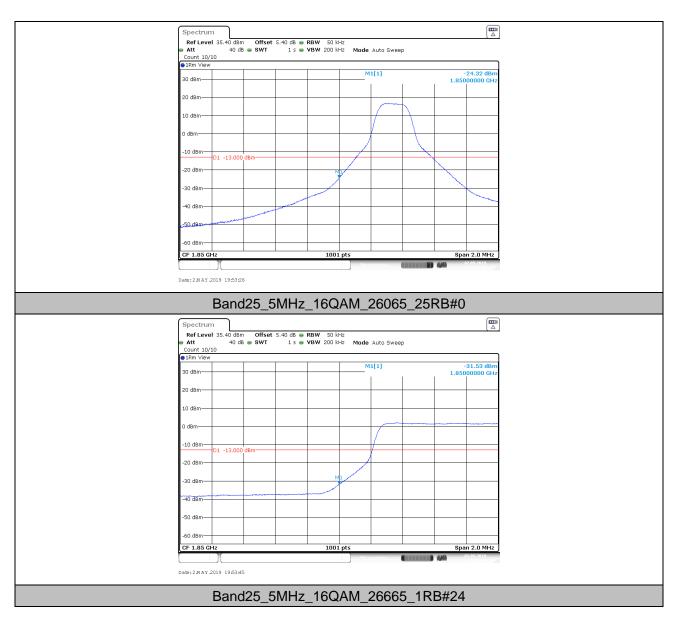
Page: 44 of 68





Report No.: HR/2019/10016E-0101

Page: 45 of 68

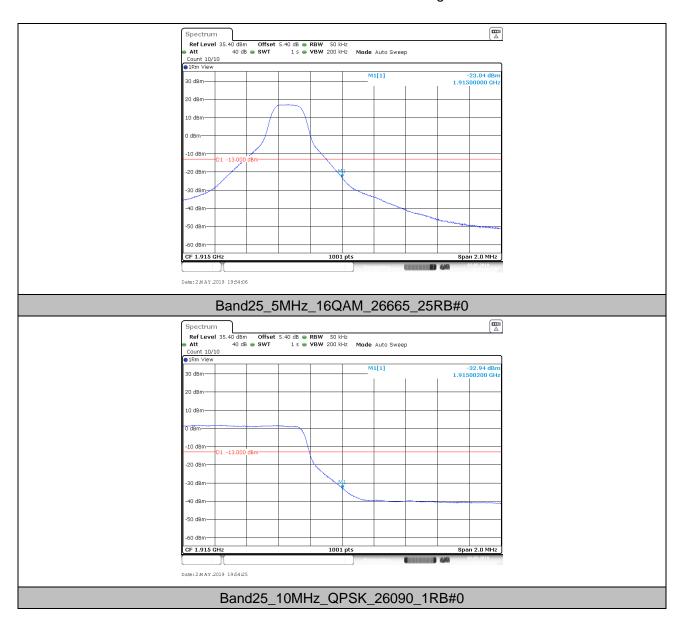






Report No.: HR/2019/10016E-0101

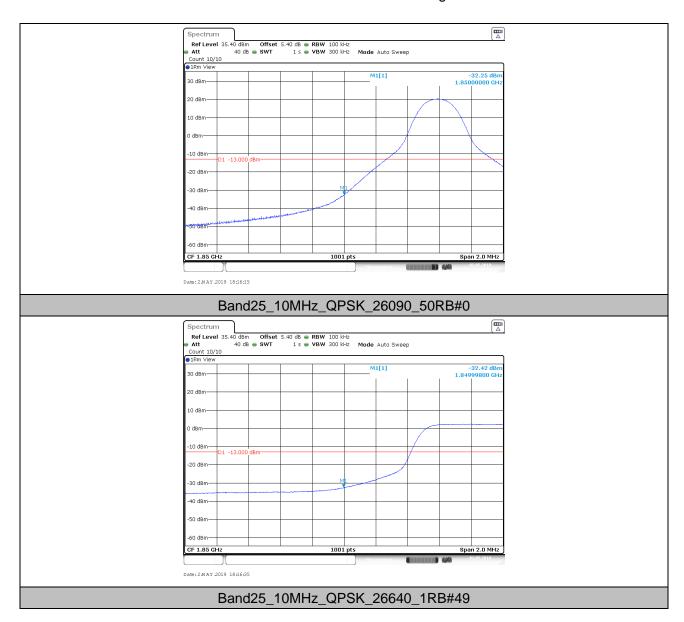
Page: 46 of 68





Report No.: HR/2019/10016E-0101

Page: 47 of 68

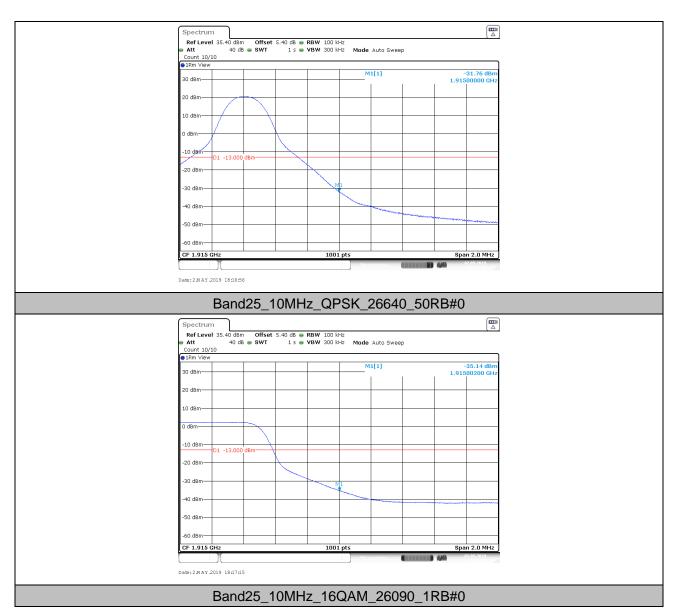






Report No.: HR/2019/10016E-0101

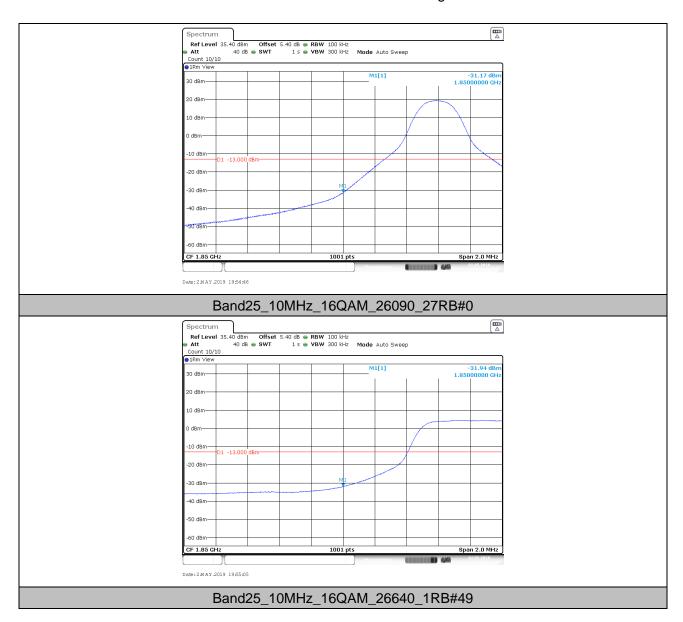
Page: 48 of 68





Report No.: HR/2019/10016E-0101

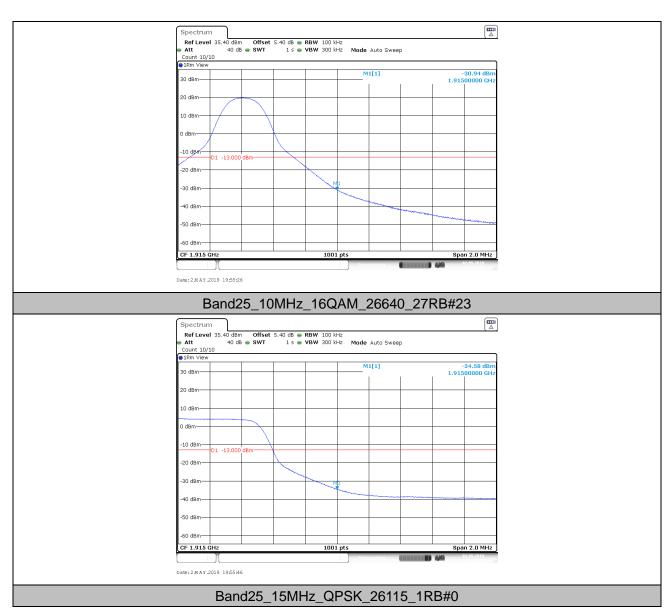
Page: 49 of 68





Report No.: HR/2019/10016E-0101

Page: 50 of 68

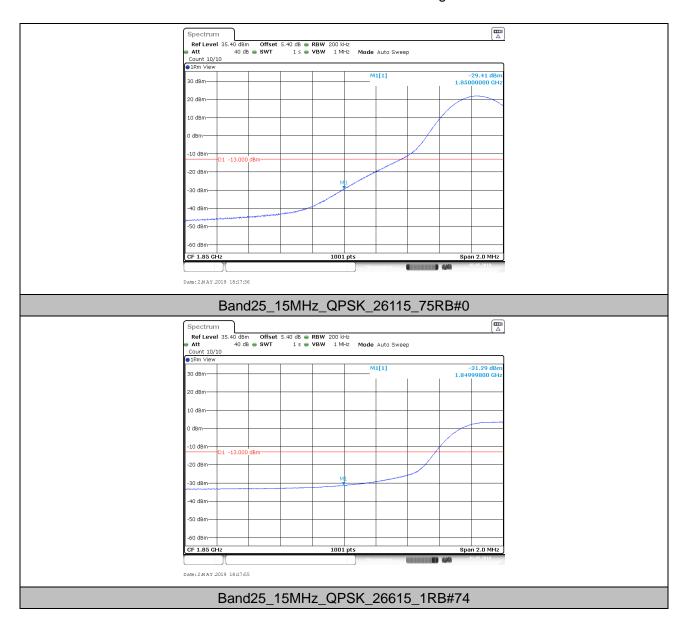






Report No.: HR/2019/10016E-0101

Page: 51 of 68

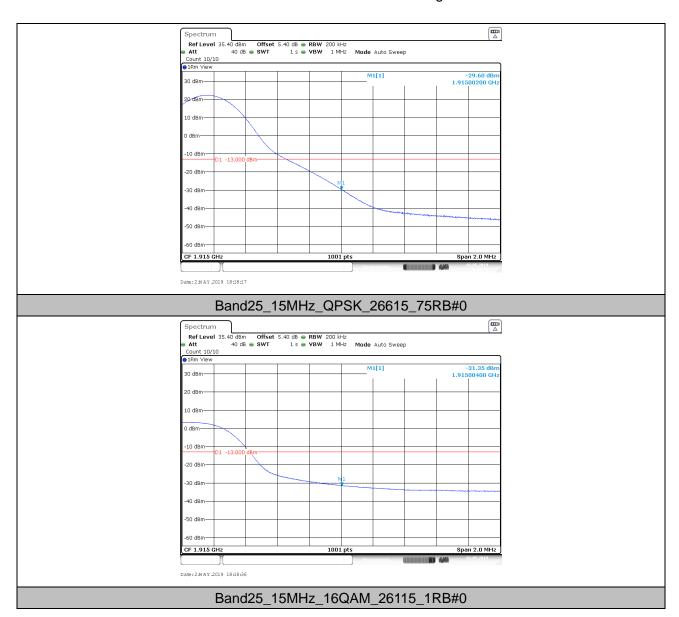






Report No.: HR/2019/10016E-0101

Page: 52 of 68

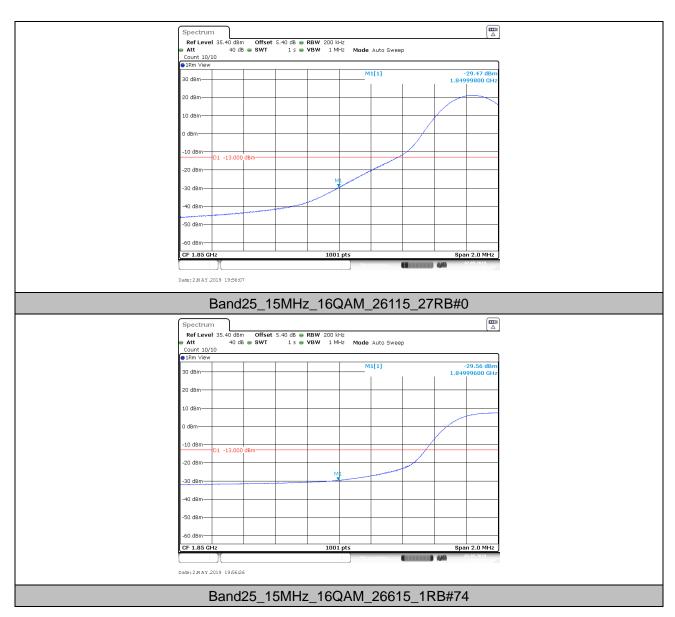






Report No.: HR/2019/10016E-0101

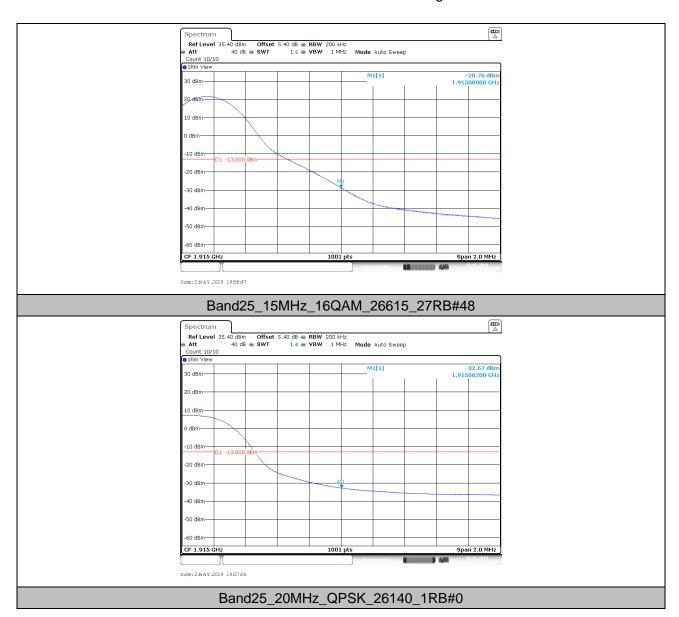
Page: 53 of 68





Report No.: HR/2019/10016E-0101

Page: 54 of 68

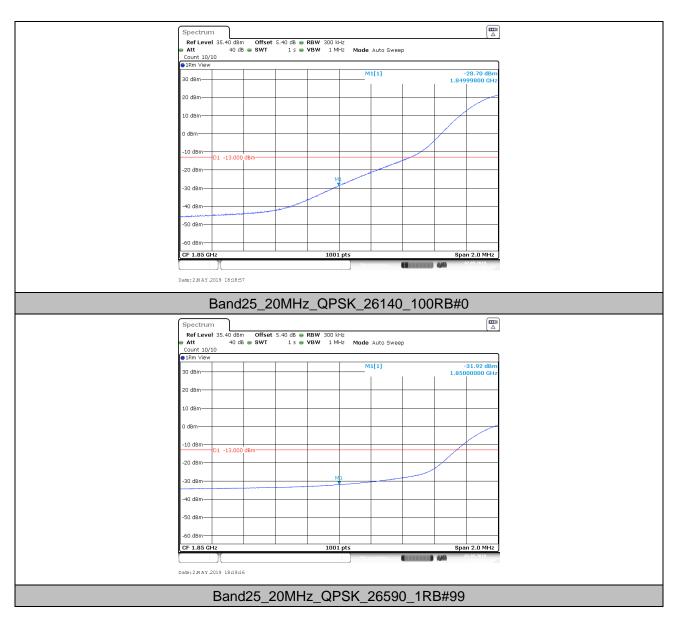






Report No.: HR/2019/10016E-0101

Page: 55 of 68

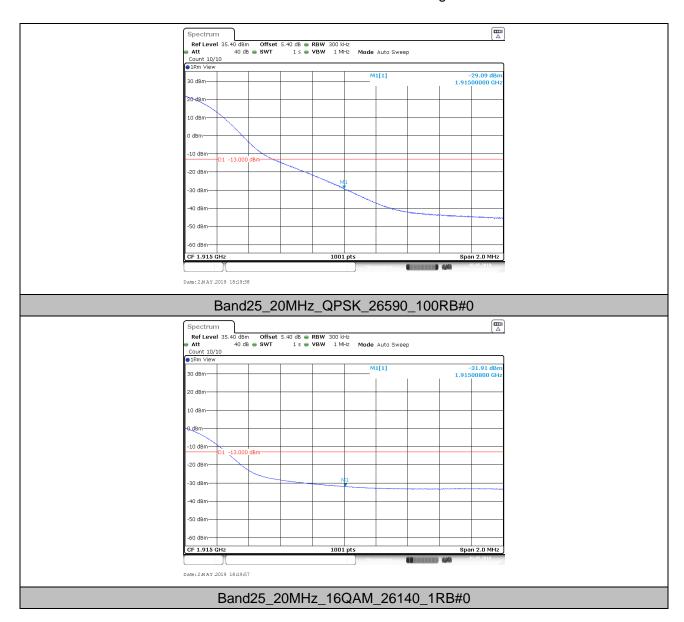






Report No.: HR/2019/10016E-0101

Page: 56 of 68

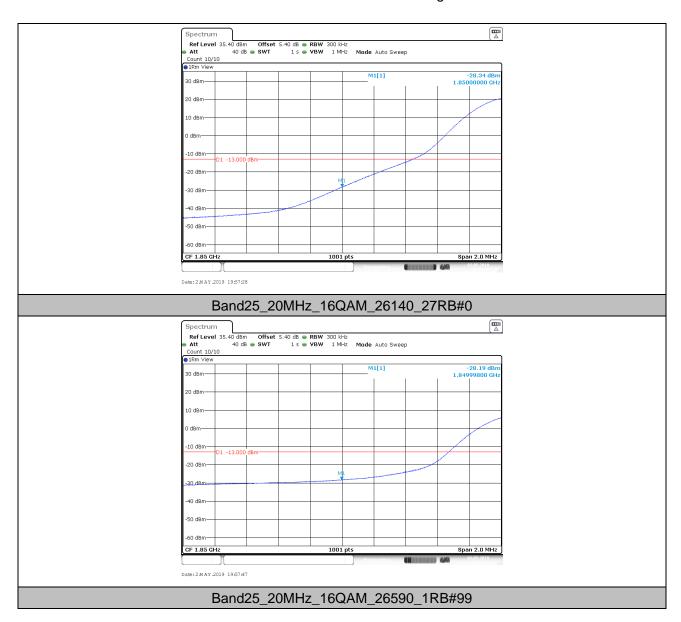






Report No.: HR/2019/10016E-0101

Page: 57 of 68

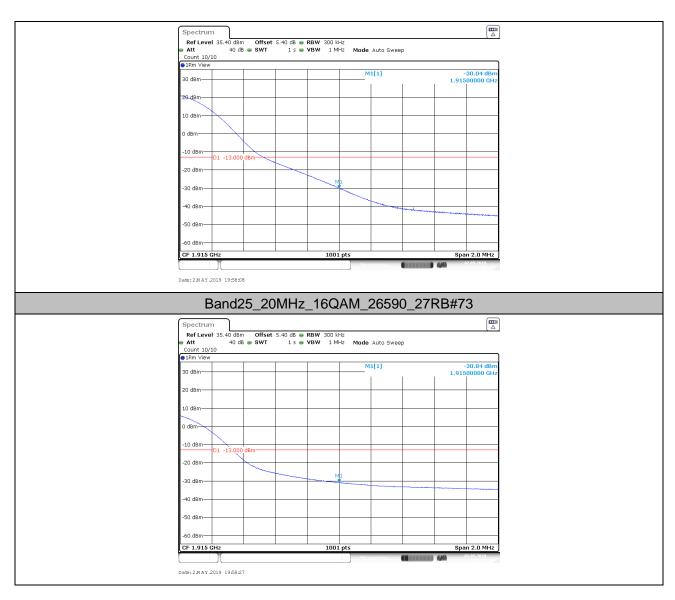






Report No.: HR/2019/10016E-0101

Page: 58 of 68





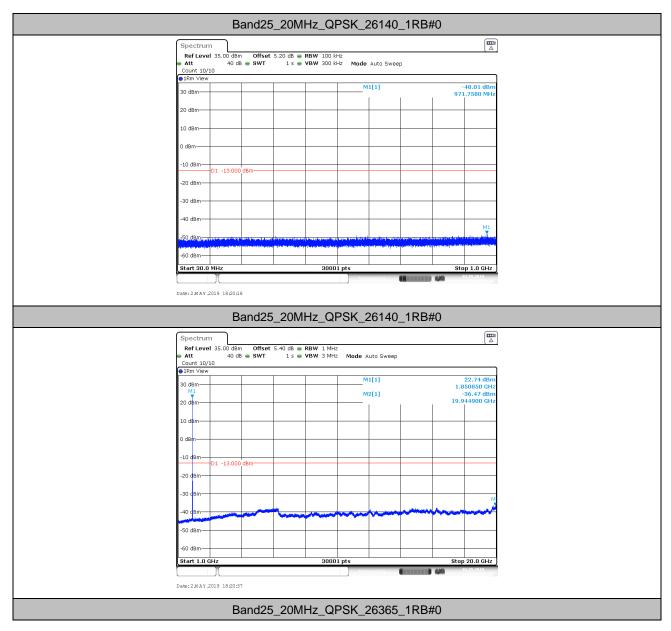
Page: 59 of 68

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

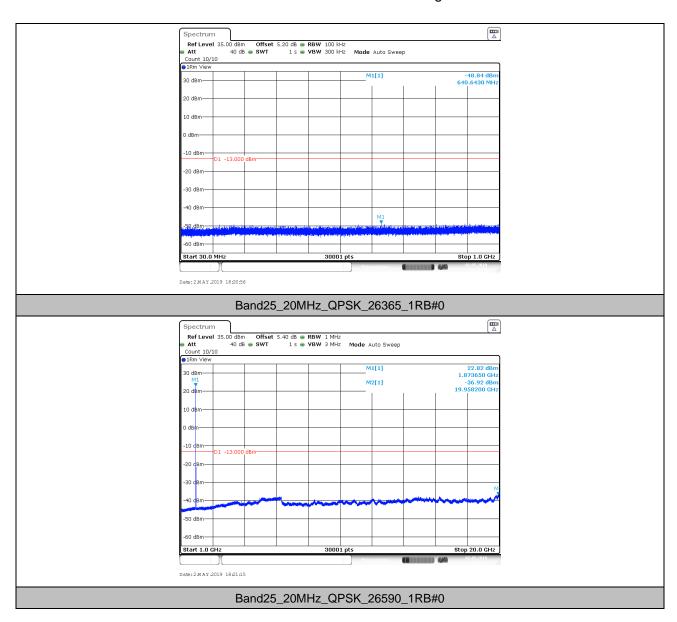






Report No.: HR/2019/10016E-0101

Page: 60 of 68

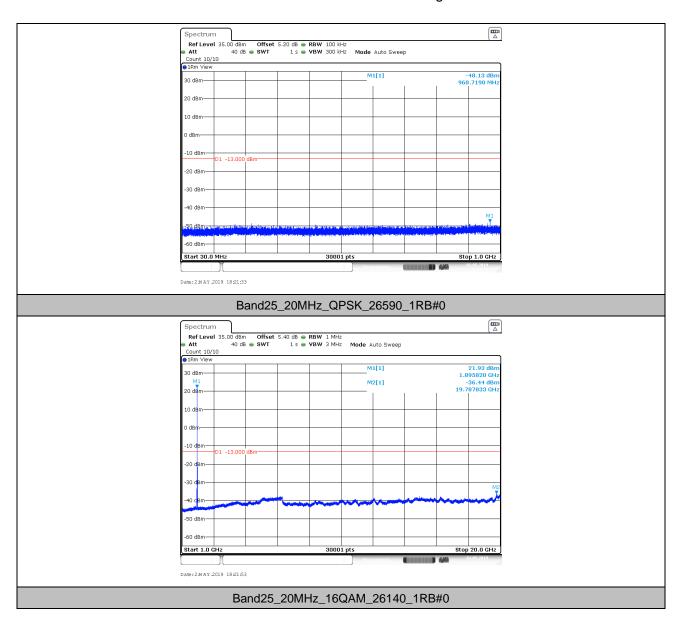






Report No.: HR/2019/10016E-0101

Page: 61 of 68

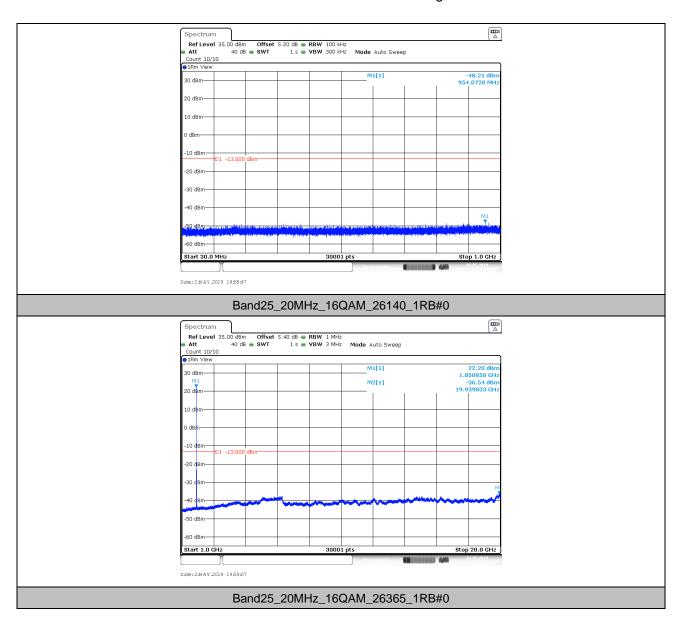






Report No.: HR/2019/10016E-0101

Page: 62 of 68





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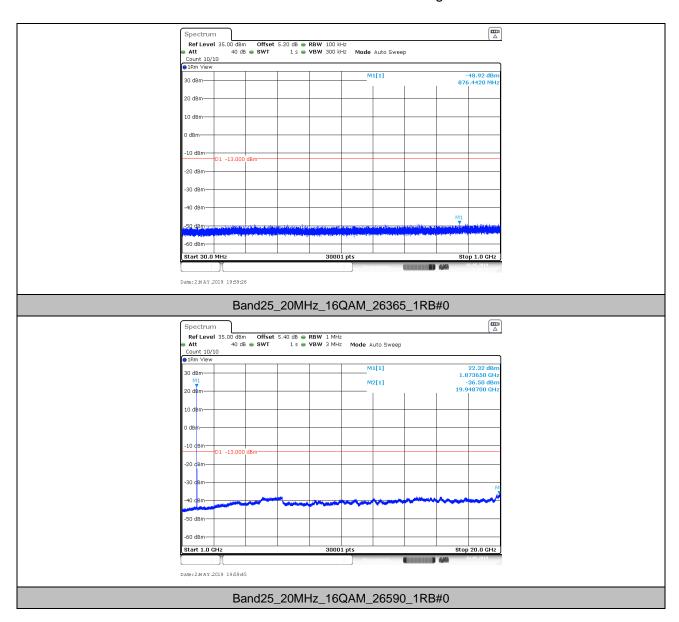
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Report No.: HR/2019/10016E-0101

Page: 63 of 68

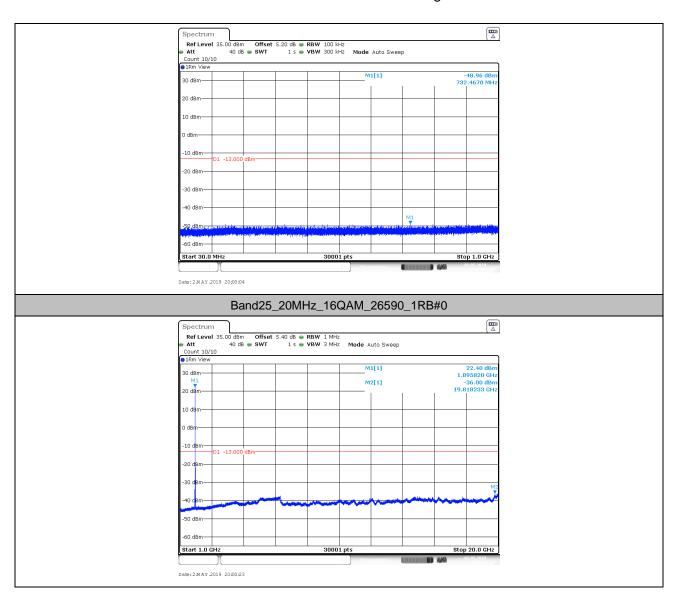






Report No.: HR/2019/10016E-0101

Page: 64 of 68





Page: 65 of 68

7. Field Strength of Spurious Radiation

7.1. Test BAND = LTE Band 25

7.1.1.Test Mode =LTE/TM1 20MHz

7.1.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
79.4244	-66.69	-13	53.69	Vertical
109.4435	-64.76	-13	51.76	Vertical
353.038	-61.70	-13	48.70	Vertical
3700.6804	-48.32	-13	35.32	Vertical
7406.3798	-44.86	-13	31.86	Vertical
17945.253	-31.01	-13	18.01	Vertical
45.8907	-64.64	-13	51.64	Horizontal
164.6213	-64.16	-13	51.16	Horizontal
677.5918	-67.29	-13	54.29	Horizontal
2697.1061	-36.11	-13	23.11	Horizontal
5552.3181	-47.82	-13	34.82	Horizontal
16397.383	-35.02	-13	22.02	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
111.8725	-65.36	-13	52.36	Vertical
343.0797	-66.03	-13	53.03	Vertical
882.1025	-61.48	-13	48.48	Vertical
2696.9967	-49.17	-13	36.17	Vertical
5622.8204	-44.48	-13	31.48	Vertical
17989.755	-30.41	-13	17.41	Vertical
43.1746	-63.97	-13	50.97	Horizontal
149.634	-64.23	-13	51.23	Horizontal
622.299	-67.54	-13	54.54	Horizontal
2699.9066	-36.62	-13	23.62	Horizontal
5619.8204	-47.64	-13	34.64	Horizontal
17952.435	-36.16	-13	23.16	Horizontal



Page: 66 of 68

7.1.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
76.6113	-65.97	-13	52.97	Vertical
107.5034	-65.67	-13	52.67	Vertical
650.7944	-62.32	-13	49.32	Vertical
2700.5974	-49.34	-13	36.34	Vertical
5690.3226	-44.85	-13	31.85	Vertical
17989.255	-30.32	-13	17.32	Vertical
42.9806	-65.33	-13	52.33	Horizontal
162.5842	-63.15	-13	50.15	Horizontal
625.7912	-66.77	-13	53.77	Horizontal
2695.5057	-37.34	-13	24.34	Horizontal
5686.8226	-46.44	-13	33.44	Horizontal
17997.436	-34.51	-13	21.51	Horizontal

Remark:

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.

We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.



Page: 67 of 68

8. Frequency Stability

8.1. Frequency Vs Voltage

	Voltage									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	VL	NT	-14.53	-0.007812	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VN	NT	-9.01	-0.004841	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	VH	NT	-8.61	-0.004631	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	13.82	0.007342	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	7.01	0.003726	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	14.59	0.007748	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VL	NT	12.23	0.006420	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VN	NT	8.53	0.004480	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	VH	NT	0.81	0.000427	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	VL	NT	-11.36	-0.006109	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	VN	NT	7.10	0.003816	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	VH	NT	2.59	0.001394	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	VL	NT	-10.34	-0.005493	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	VN	NT	-1.17	-0.000623	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	VH	NT	-10.23	-0.005436	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	VL	NT	13.23	0.006945	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	VN	NT	-10.90	-0.005722	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	VH	NT	5.98	0.003138	±2.5	PASS

8.2. Frequency Vs Temperature

	Temperature									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band25	20MHz	QPSK	26140	100RB#0	NV	-30	-12.22	-0.006570	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	-20	14.39	0.007734	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	0	-12.03	-0.006468	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	10	-4.42	-0.002376	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	20	-7.19	-0.003864	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	30	8.58	0.004613	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	40	-1.70	-0.000915	±2.5	PASS
Band25	20MHz	QPSK	26140	100RB#0	NV	50	1.18	0.000633	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	14.02	0.007450	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-7.07	-0.003756	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	10.01	0.005318	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-7.63	-0.004051	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	9.05	0.004806	±2.5	PASS



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Report No.: HR/2019/10016E-0101

Page: 68 of 68

Band25	20MHz	QPSK	26365	100RB#0	NV	30	-0.46	-0.000243	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	7.48	0.003974	±2.5	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	0.21	0.000114	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-30	-6.30	-0.003309	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	-20	-1.17	-0.000614	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	0	3.36	0.001762	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	10	-2.13	-0.001118	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	20	12.29	0.006450	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	30	4.10	0.002151	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	40	-9.42	-0.004946	±2.5	PASS
Band25	20MHz	QPSK	26590	100RB#0	NV	50	-7.17	-0.003762	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	-30	11.24	0.006042	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	-20	6.04	0.003249	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	0	2.65	0.001423	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	10	4.99	0.002682	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	20	5.03	0.002706	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	30	3.70	0.001990	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	40	2.40	0.001290	±2.5	PASS
Band25	20MHz	16QAM	26140	27RB#0	NV	50	14.52	0.007806	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	-30	-7.65	-0.004063	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	-20	10.01	0.005318	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	0	11.61	0.006167	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	10	-12.06	-0.006406	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	20	-1.44	-0.000767	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	30	-3.01	-0.001600	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	40	-12.66	-0.006724	±2.5	PASS
Band25	20MHz	16QAM	26365	27RB#0	NV	50	-14.80	-0.007859	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	-30	2.83	0.001485	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	-20	-6.62	-0.003474	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	0	-5.36	-0.002812	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	10	2.61	0.001370	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	20	9.14	0.004800	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	30	-2.67	-0.001402	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	40	7.94	0.004169	±2.5	PASS
Band25	20MHz	16QAM	26590	27RB#0	NV	50	-6.40	-0.003362	±2.5	PASS

The End



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