Page: 1 of 51

Appendix B

E-UTRA Band 38



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2 of 51 Page:

CONTENT

1	EFFE	ECTIVE (ISOTROPIC) RADIATED POWER	3
1	.1.	TEST RESULT	3
2.	PEA	K-TO-AVERAGE RATIO (CCDF)	7
2	.1.	Test Result	7
2	.2.	TEST PLOTS	7
3.	моі	DULATION CHARACTERISTICS	11
3	.1.	TEST MODE = LTE /TM1 20MHz	11
3	.1.1.	TEST CHANNEL = MCH	11
3	.2.	TEST MODE = LTE /TM2 20MHz	12
3	.2.1.	TEST CHANNEL = MCH	12
4.	26D	B BANDWIDTH AND OCCUPIED BANDWIDTH	13
4	.1.	Test Result	13
4	.2.	TEST PLOTS	14
5.	BAN	ID EDGE COMPLIANCE	26
5	.1.	TEST PLOTS	26
6.	SPU	RIOUS EMISSION AT ANTENNA TERMINAL	42
6	.1.	TEST PLOTS	42
7.	EIEL	D STRENGTH OF SPURIOUS RADIATION	
-	.1.	TEST MODE =LTE/TM1	
-	.1.1.	TEST CHANNEL = LCH	
-	.1.2.	TEST CHANNEL = MCH	
7	.1.3.	TEST CHANNEL = HCH	49
8.	FREC	QUENCY STABILITY	50
8	.1.	FREQUENCY VS VOLTAGE	50
8	.2.	FREQUENCY VS TEMPERATURE	50



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Page: 3 of 51

1 Effective (Isotropic) Radiated Power

1.1. Test Result

					Conducted	EIRP	Limit	
Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	(dBm)	(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.62	23.74	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.63	23.75	33.00	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.58	23.70	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.77	22.89	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.77	22.89	33.00	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.67	22.79	33.00	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.77	22.89	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.35	23.47	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.48	23.60	33.00	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.32	23.44	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.50	22.62	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.49	22.61	33.00	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.49	22.61	33.00	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.43	22.55	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.24	23.36	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.43	23.55	33.00	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.33	23.45	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.49	22.61	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.46	22.58	33.00	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.45	22.57	33.00	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.43	22.55	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.88	23.00	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#12	21.88	23.00	33.00	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.75	22.87	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.80	21.92	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.77	21.89	33.00	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.66	21.78	33.00	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.80	21.92	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.50	22.62	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.59	22.71	33.00	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.42	22.54	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.40	21.52	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.52	21.64	33.00	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.26	21.38	33.00	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.47	21.59	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.39	22.51	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.38	22.50	33.00	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.42	22.54	33.00	PASS



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Report No.: ZR/2019/B000301

4 of 51 Page:

		1	T	T	T		ı	
Band38	5MHz	16QAM	38225	12RB#0	20.35	21.47	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.33	21.45	33.00	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.39	21.51	33.00	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.41	21.53	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.83	23.95	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.64	23.76	33.00	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.58	23.70	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.78	22.90	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.77	22.89	33.00	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.74	22.86	33.00	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.82	22.94	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.50	23.62	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.45	23.57	33.00	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.43	23.55	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.54	22.66	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.55	22.67	33.00	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.48	22.60	33.00	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.45	22.57	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.44	23.56	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.31	23.43	33.00	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.40	23.52	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.49	22.61	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.40	22.52	33.00	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.40	22.52	33.00	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.33	22.45	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#49	21.93	23.05	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#0	21.80	22.92	33.00	PASS
Band38	10MHz	16QAM	37800	1RB#24	21.70	22.82	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.93	22.05	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.78	21.90	33.00	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.81	21.93	33.00	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.92	22.04	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.64	22.76	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.57	22.69	33.00	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.48	22.60	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.63	21.75	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.50	21.62	33.00	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.56	21.68	33.00	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.56	21.68	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.48	22.60	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.39	22.51	33.00	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.47	22.59	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.51	21.63	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.42	21.54	33.00	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.43	21.55	33.00	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.48	21.60	33.00	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.72	23.84	33.00	PASS
Danidoo	I OIVII IZ	Q1 011	01020	1110#0	<i></i>	20.07	00.00	17.00



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Report No.: ZR/2019/B000301

5 of 51 Page:

Band38 15MHz QPSK 37825 1RI Band38 15MHz QPSK 37825 36F Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 75F Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R	3#38 22.55 23.67 33.00 PASS 3#74 22.40 23.52 33.00 PASS 3B#0 21.76 22.88 33.00 PASS B#18 21.65 22.77 33.00 PASS B#39 21.65 22.77 33.00 PASS B#0 21.76 22.88 33.00 PASS B#0 22.45 23.57 33.00 PASS 3#74 22.46 23.58 33.00 PASS B#38 22.27 23.39 33.00 PASS B#40 21.52 22.64 33.00 PASS B#38 22.27 23.39 33.00 PASS B#18 21.55 22.67 33.00 PASS
Band38 15MHz QPSK 37825 36F Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 75F Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R	RB#0 21.76 22.88 33.00 PASS B#18 21.65 22.77 33.00 PASS B#39 21.65 22.77 33.00 PASS RB#0 21.76 22.88 33.00 PASS B#0 22.45 23.57 33.00 PASS 3#74 22.46 23.58 33.00 PASS 3#38 22.27 23.39 33.00 PASS 2B#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 75F Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1RI Band38 15MHz QPSK 38000 1RI	B#18 21.65 22.77 33.00 PASS B#39 21.65 22.77 33.00 PASS RB#0 21.76 22.88 33.00 PASS B#0 22.45 23.57 33.00 PASS B#74 22.46 23.58 33.00 PASS B#38 22.27 23.39 33.00 PASS RB#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 37825 36R Band38 15MHz QPSK 37825 75F Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R	B#39 21.65 22.77 33.00 PASS RB#0 21.76 22.88 33.00 PASS B#0 22.45 23.57 33.00 PASS 3#74 22.46 23.58 33.00 PASS 3#38 22.27 23.39 33.00 PASS 2B#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 37825 75F Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R	RB#0 21.76 22.88 33.00 PASS B#0 22.45 23.57 33.00 PASS B#74 22.46 23.58 33.00 PASS B#38 22.27 23.39 33.00 PASS BB#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1RI Band38 15MHz QPSK 38000 1RI	B#0 22.45 23.57 33.00 PASS B#74 22.46 23.58 33.00 PASS B#38 22.27 23.39 33.00 PASS B#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 38000 1R Band38 15MHz QPSK 38000 1R	B#74 22.46 23.58 33.00 PASS B#38 22.27 23.39 33.00 PASS B#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 38000 1RI	8#38 22.27 23.39 33.00 PASS RB#0 21.52 22.64 33.00 PASS
	RB#0 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 38000 36F	
	B#18 21.55 22.67 33.00 PASS
Band38 15MHz QPSK 38000 36R	21.00 22.07 00.00 17.00
Band38 15MHz QPSK 38000 36R	B#39 21.52 22.64 33.00 PASS
Band38 15MHz QPSK 38000 75F	RB#0 21.47 22.59 33.00 PASS
Band38 15MHz QPSK 38175 1RI	3#74 22.36 23.48 33.00 PASS
Band38 15MHz QPSK 38175 1R	B#0 22.36 23.48 33.00 PASS
Band38 15MHz QPSK 38175 1R	33.00 PASS
Band38 15MHz QPSK 38175 36F	RB#0 21.36 22.48 33.00 PASS
Band38 15MHz QPSK 38175 36R	B#18 21.55 22.67 33.00 PASS
Band38 15MHz QPSK 38175 36R	B#39 21.24 22.36 33.00 PASS
Band38 15MHz QPSK 38175 75F	RB#0 21.12 22.24 33.00 PASS
Band38 15MHz 16QAM 37825 1R	B#0 21.89 23.01 33.00 PASS
Band38 15MHz 16QAM 37825 1R	3#38 21.77 22.89 33.00 PASS
Band38 15MHz 16QAM 37825 1R	3#74 21.57 22.69 33.00 PASS
Band38 15MHz 16QAM 37825 36R	B#18 20.69 21.81 33.00 PASS
Band38 15MHz 16QAM 37825 36F	RB#0 20.62 21.74 33.00 PASS
Band38 15MHz 16QAM 37825 36R	B#39 20.58 21.70 33.00 PASS
Band38 15MHz 16QAM 37825 75F	RB#0 20.79 21.91 33.00 PASS
Band38 15MHz 16QAM 38000 1R	B#0 21.59 22.71 33.00 PASS
Band38 15MHz 16QAM 38000 1R	3#38 21.55 22.67 33.00 PASS
Band38 15MHz 16QAM 38000 1R	3#74 21.34 22.46 33.00 PASS
Band38 15MHz 16QAM 38000 36R	B#39 20.49 21.61 33.00 PASS
Band38 15MHz 16QAM 38000 36F	RB#0 20.49 21.61 33.00 PASS
Band38 15MHz 16QAM 38000 36R	B#18 20.26 21.38 33.00 PASS
Band38 15MHz 16QAM 38000 75F	RB#0 20.45 21.57 33.00 PASS
Band38 15MHz 16QAM 38175 1R	3#38 21.43 22.55 33.00 PASS
Band38 15MHz 16QAM 38175 1R	B#0 21.39 22.51 33.00 PASS
Band38 15MHz 16QAM 38175 1RI	3#74 21.34 22.46 33.00 PASS
Band38 15MHz 16QAM 38175 36F	RB#0 20.37 21.49 33.00 PASS
Band38 15MHz 16QAM 38175 36R	B#18 20.31 21.43 33.00 PASS
Band38 15MHz 16QAM 38175 36R	B#39 19.99 21.11 33.00 PASS
Band38 15MHz 16QAM 38175 75F	RB#0 20.14 21.26 33.00 PASS
Band38 20MHz QPSK 37850 1R	3#99 22.48 23.60 33.00 PASS
Band38 20MHz QPSK 37850 1R	3#49 22.72 23.84 33.00 PASS
	B#0 22.22 23.34 33.00 PASS
	RB#0 21.79 22.91 33.00 PASS
	B#25 21.67 22.79 33.00 PASS
	B#50 21.63 22.75 33.00 PASS



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Report No.: ZR/2019/B000301

Page: 6 of 51

Band38 20MHz QPSK 37850 100RB#0 21.71 22.83 33.00 PASS Band38 20MHz QPSK 38000 1RB#0 22.30 23.42 33.00 PASS Band38 20MHz QPSK 38000 1RB#49 22.06 23.18 33.00 PASS Band38 20MHz QPSK 38000 50RB#50 21.54 22.60 33.00 PASS Band38 20MHz QPSK 38000 50RB#50 21.48 22.60 33.00 PASS Band38 20MHz QPSK 38000 50RB#0 21.48 22.60 33.00 PASS Band38 20MHz QPSK 38000 100RB#0 21.57 22.69 33.00 PASS Band38 20MHz QPSK 38150 1RB#49 22.19 23.31 33.00 PASS Band38 20MHz QPSK 38150 1RB#99 22.10 23.22 33.00 PASS <tr< th=""><th></th><th></th><th>ı</th><th>1</th><th></th><th>1</th><th>1</th><th></th><th></th></tr<>			ı	1		1	1		
Band38 20MHz QPSK 38000 1RB#99 22.55 23.67 33.00 PASS Band38 20MHz QPSK 38000 1RB#49 22.06 23.18 33.00 PASS Band38 20MHz QPSK 38000 50RB#50 21.54 22.66 33.00 PASS Band38 20MHz QPSK 38000 50RB#0 21.48 22.60 33.00 PASS Band38 20MHz QPSK 38000 100RB#0 21.57 22.69 33.00 PASS Band38 20MHz QPSK 38150 1RB#49 22.19 23.31 33.00 PASS Band38 20MHz QPSK 38150 1RB#0 22.47 23.59 33.00 PASS Band38 20MHz QPSK 38150 1RB#99 22.10 23.22 33.00 PASS Band38 20MHz QPSK 38150 50RB#50 21.29 22.41 33.00 PASS	Band38	20MHz	QPSK	37850	100RB#0	21.71	22.83	33.00	PASS
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Band38 20MHz 16QAM 37850 50RB#25 20.76 21.88 33.00 PASS Band38 20MHz 16QAM 37850 50RB#0 20.74 21.86 33.00 PASS Band38 20MHz 16QAM 37850 100RB#0 20.77 21.89 33.00 PASS Band38 20MHz 16QAM 38000 1RB#99 21.52 22.64 33.00 PASS Band38 20MHz 16QAM 38000 1RB#0 21.58 22.70 33.00 PASS Band38 20MHz 16QAM 38000 1RB#49 21.19 22.31 33.00 PASS Band38 20MHz 16QAM 38000 50RB#50 20.60 21.72 33.00 PASS Band38 20MHz 16QAM 38000 50RB#0 20.51 21.63 33.00 PASS Band38 20MHz 16QAM 38000 100RB#0 20.53 21.65 33.00 PASS <td>Band38</td> <td>20MHz</td> <td>16QAM</td> <td>37850</td> <td>1RB#49</td> <td>21.38</td> <td>22.50</td> <td>33.00</td> <td>PASS</td>	Band38	20MHz	16QAM	37850	1RB#49	21.38	22.50	33.00	PASS
Band38 20MHz 16QAM 37850 50RB#0 20.74 21.86 33.00 PASS Band38 20MHz 16QAM 37850 100RB#0 20.77 21.89 33.00 PASS Band38 20MHz 16QAM 38000 1RB#99 21.52 22.64 33.00 PASS Band38 20MHz 16QAM 38000 1RB#0 21.58 22.70 33.00 PASS Band38 20MHz 16QAM 38000 1RB#49 21.19 22.31 33.00 PASS Band38 20MHz 16QAM 38000 50RB#50 20.60 21.72 33.00 PASS Band38 20MHz 16QAM 38000 50RB#0 20.51 21.63 33.00 PASS Band38 20MHz 16QAM 38000 50RB#25 20.48 21.60 33.00 PASS Band38 20MHz 16QAM 38150 1RB#49 21.34 22.46 33.00 PASS	Band38	20MHz	16QAM	37850	50RB#50	20.88	22.00	33.00	PASS
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Band38 20MHz 16QAM 38000 50RB#50 20.60 21.72 33.00 PASS Band38 20MHz 16QAM 38000 50RB#0 20.51 21.63 33.00 PASS Band38 20MHz 16QAM 38000 50RB#25 20.48 21.60 33.00 PASS Band38 20MHz 16QAM 38000 100RB#0 20.53 21.65 33.00 PASS Band38 20MHz 16QAM 38150 1RB#49 21.34 22.46 33.00 PASS Band38 20MHz 16QAM 38150 1RB#0 21.56 22.68 33.00 PASS Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS <td>Band38</td> <td>20MHz</td> <td>16QAM</td> <td>38000</td> <td>1RB#0</td> <td>21.58</td> <td>22.70</td> <td>33.00</td> <td>PASS</td>	Band38	20MHz	16QAM	38000	1RB#0	21.58	22.70	33.00	PASS
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Band38 20MHz 16QAM 38000 50RB#25 20.48 21.60 33.00 PASS Band38 20MHz 16QAM 38000 100RB#0 20.53 21.65 33.00 PASS Band38 20MHz 16QAM 38150 1RB#49 21.34 22.46 33.00 PASS Band38 20MHz 16QAM 38150 1RB#0 21.56 22.68 33.00 PASS Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38000	50RB#50	20.60	21.72	33.00	PASS
Band38 20MHz 16QAM 38000 100RB#0 20.53 21.65 33.00 PASS Band38 20MHz 16QAM 38150 1RB#49 21.34 22.46 33.00 PASS Band38 20MHz 16QAM 38150 1RB#0 21.56 22.68 33.00 PASS Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38000	50RB#0	20.51	21.63	33.00	PASS
Band38 20MHz 16QAM 38150 1RB#49 21.34 22.46 33.00 PASS Band38 20MHz 16QAM 38150 1RB#0 21.56 22.68 33.00 PASS Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38000	50RB#25	20.48	21.60	33.00	PASS
Band38 20MHz 16QAM 38150 1RB#0 21.56 22.68 33.00 PASS Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38000	100RB#0	20.53	21.65	33.00	PASS
Band38 20MHz 16QAM 38150 1RB#99 21.18 22.30 33.00 PASS Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38150	1RB#49	21.34	22.46	33.00	PASS
Band38 20MHz 16QAM 38150 50RB#0 20.46 21.58 33.00 PASS Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38150	1RB#0	21.56	22.68	33.00	PASS
Band38 20MHz 16QAM 38150 50RB#25 20.39 21.51 33.00 PASS Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38150	1RB#99	21.18	22.30	33.00	PASS
Band38 20MHz 16QAM 38150 50RB#50 20.35 21.47 33.00 PASS	Band38	20MHz	16QAM	38150	50RB#0	20.46	21.58	33.00	PASS
	Band38	20MHz	16QAM	38150	50RB#25	20.39	21.51	33.00	PASS
Band38 20MHz 16QAM 38150 100RB#0 20.42 21.54 33.00 PASS	Band38	20MHz	16QAM	38150	50RB#50	20.35	21.47	33.00	PASS
	Band38	20MHz	16QAM	38150	100RB#0	20.42	21.54	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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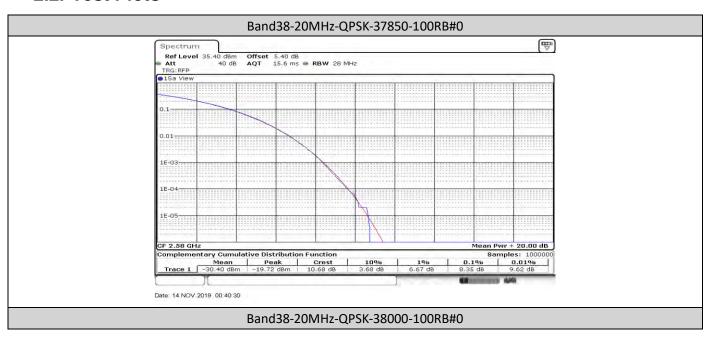
Page: 7 of 51

2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.35	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.64	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.52	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.45	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.30	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.19	13	PASS

2.2. Test Plots



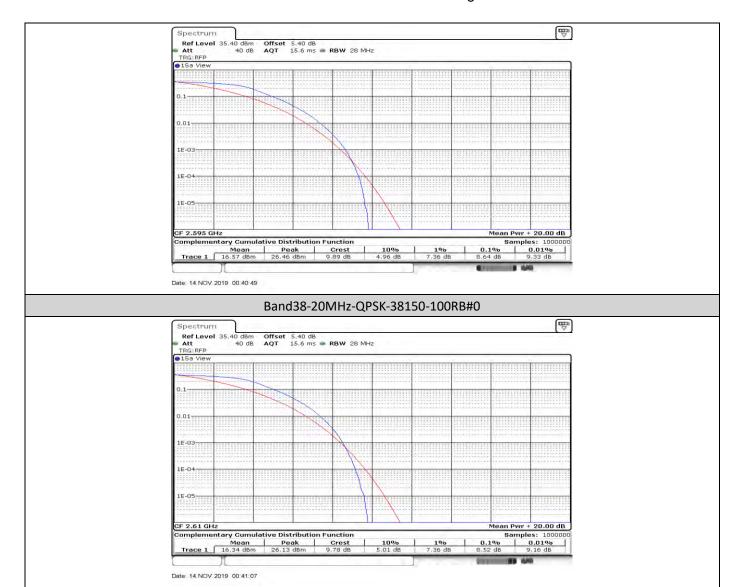


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Report No.: ZR/2019/B000301

Page: 8 of 51



Band38-20MHz-16QAM-37850-100RB#0



Laboratory

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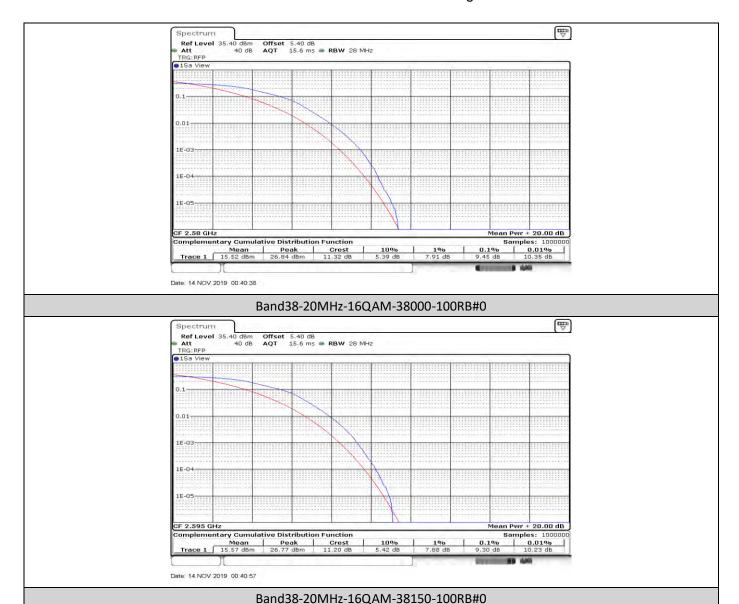
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Report No.: ZR/2019/B000301

Page: 9 of 51





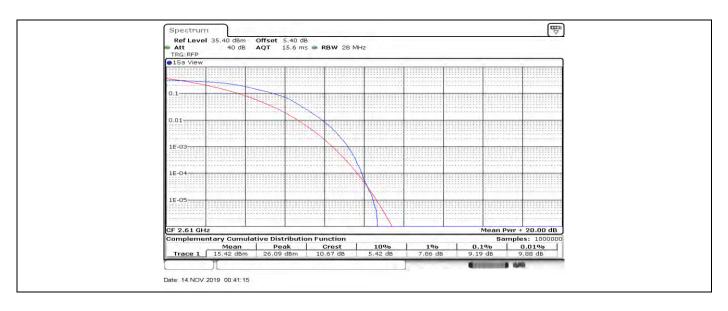
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Page: 10 of 51





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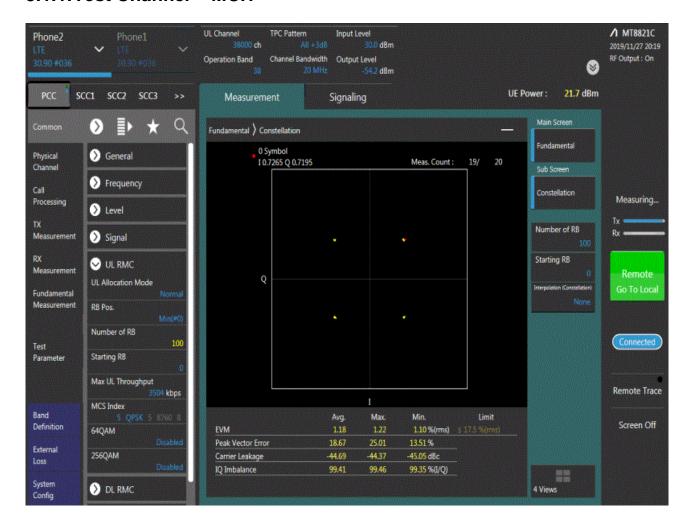
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Page: 11 of 51

3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

3.1.1.Test Channel = MCH



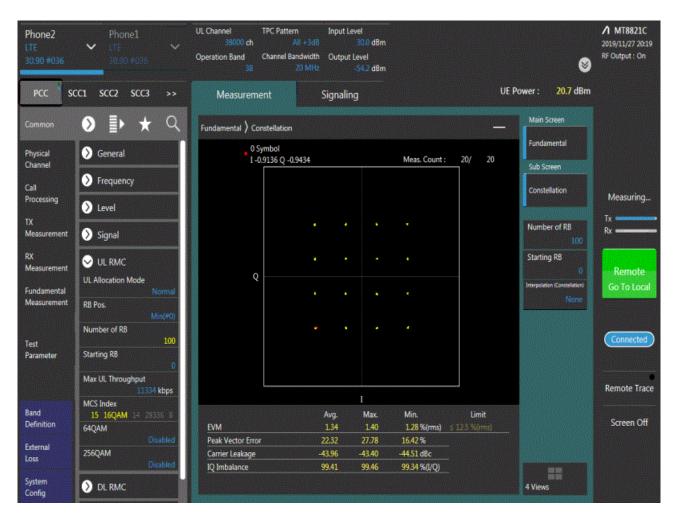


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Page: 12 of 51

3.2. Test Mode = LTE /TM2 20MHz

3.2.1.Test Channel = MCH





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Page: 13 of 51

4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.466	4.880	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.476	4.820	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.456	4.850	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.466	4.830	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.466	4.940	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.456	4.840	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.951	9.660	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.931	10.020	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.931	10.040	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.931	10.680	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.951	9.700	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.931	10.480	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.457	15.540	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.457	15.270	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.487	15.660	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.516	16.170	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.516	15.960	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.457	15.210	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.862	19.960	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.862	20.440	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.862	19.840	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.862	19.440	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.902	19.680	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.862	19.920	PASS

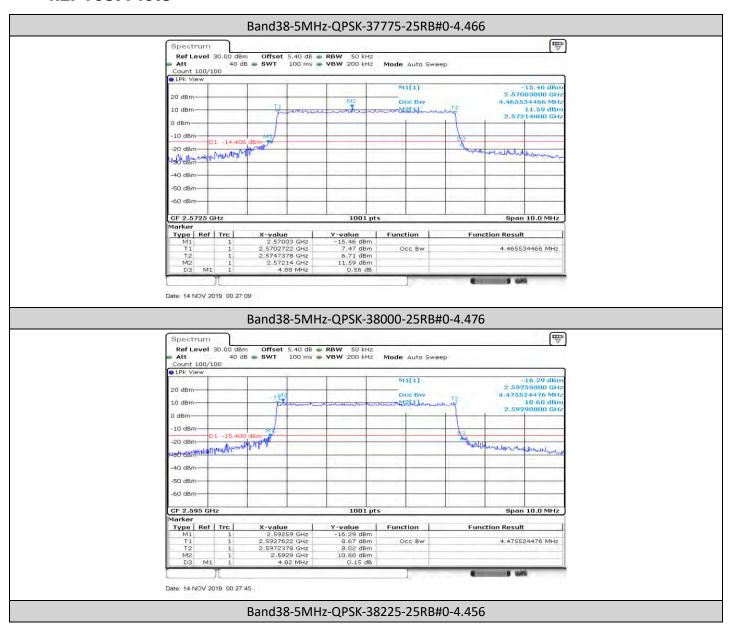


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Page: 14 of 51

4.2. Test Plots





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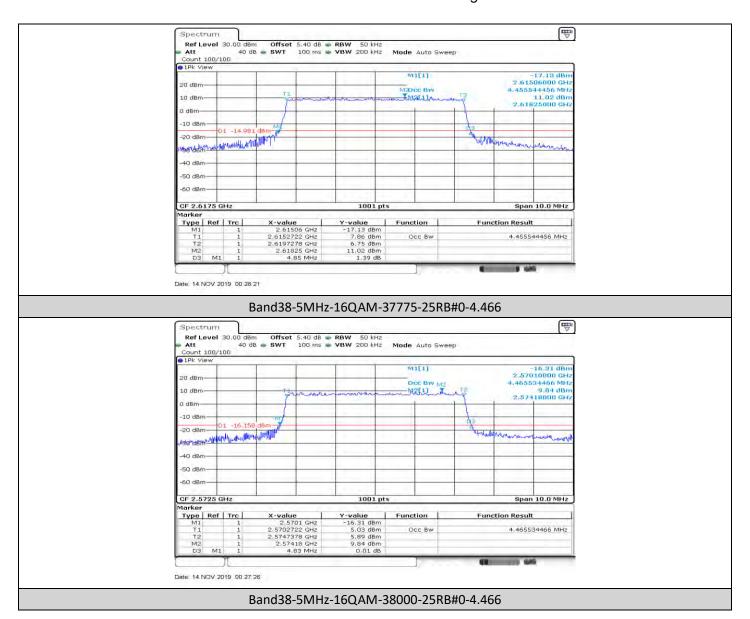
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Page: 15 of 51





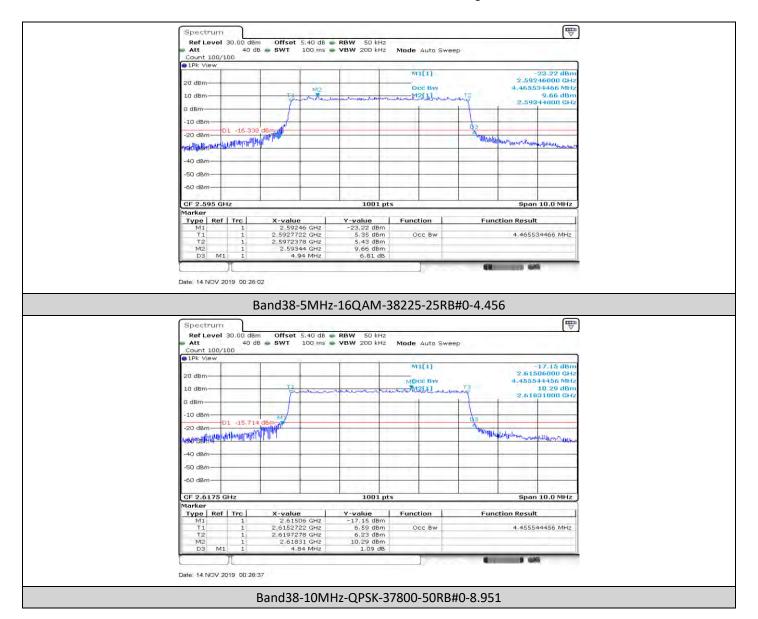
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Page: 16 of 51





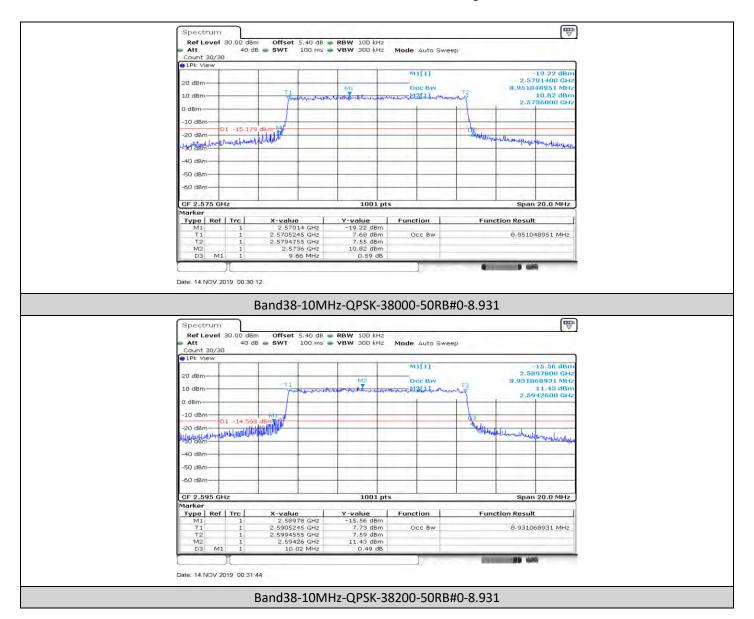
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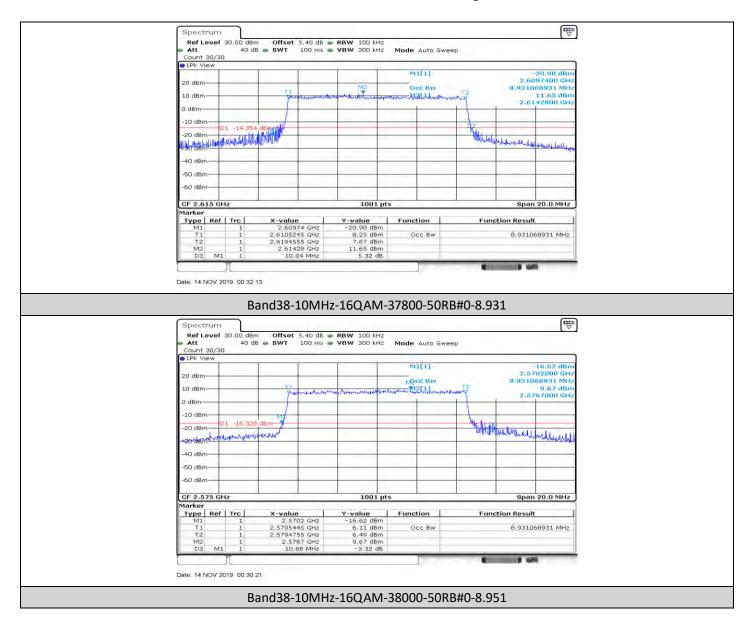
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Page: 18 of 51





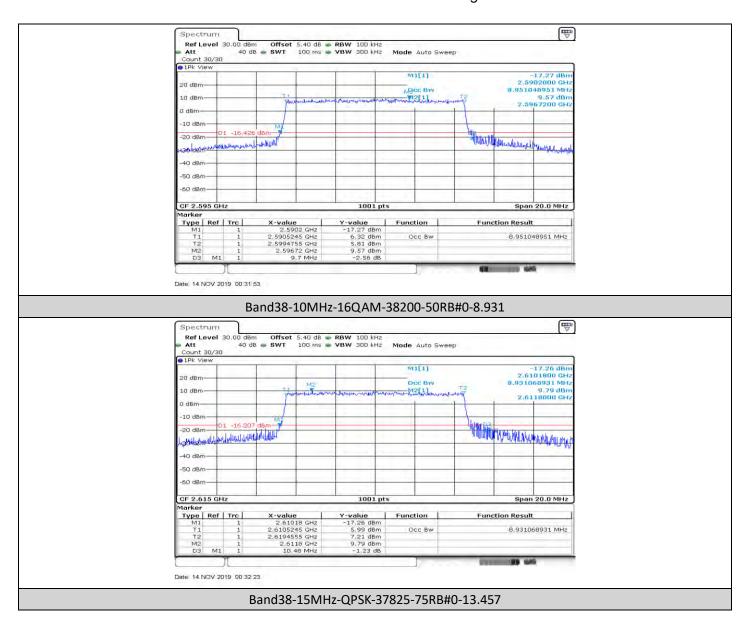
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Page: 19 of 51





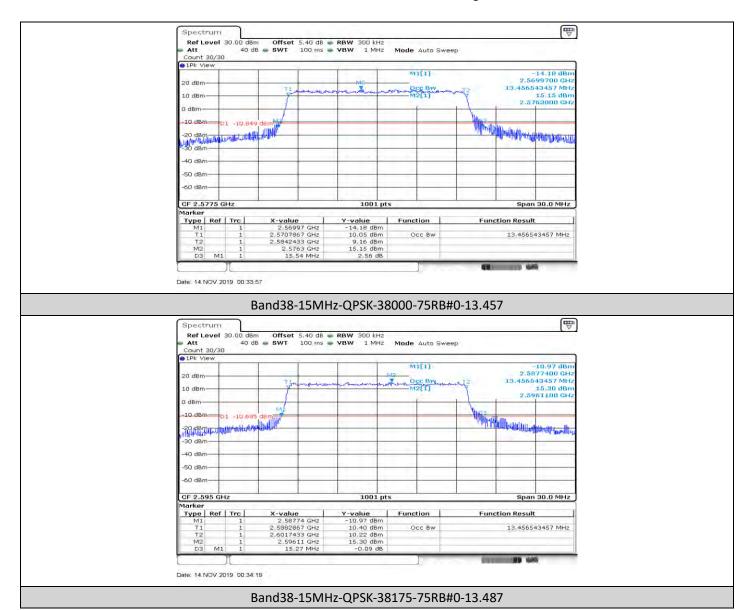
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Report No.: ZR/2019/B000301

Page: 20 of 51





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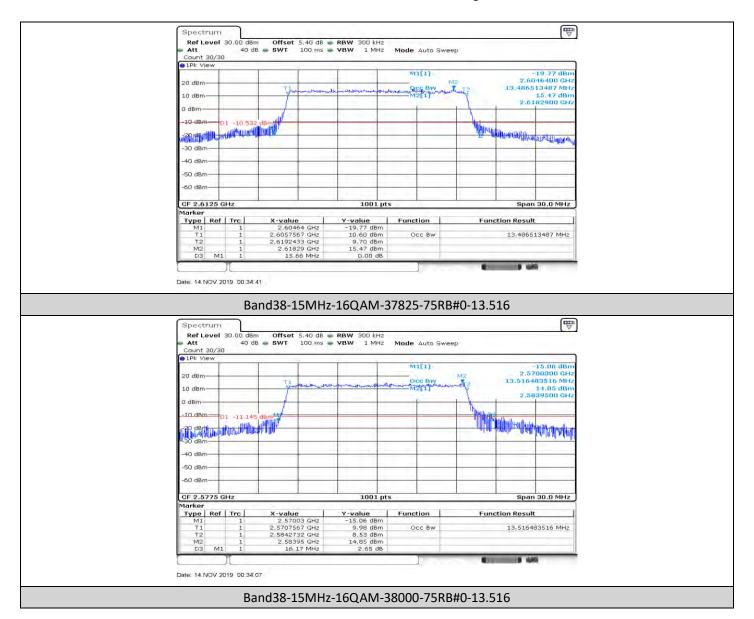
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Report No.: ZR/2019/B000301

Page: 21 of 51





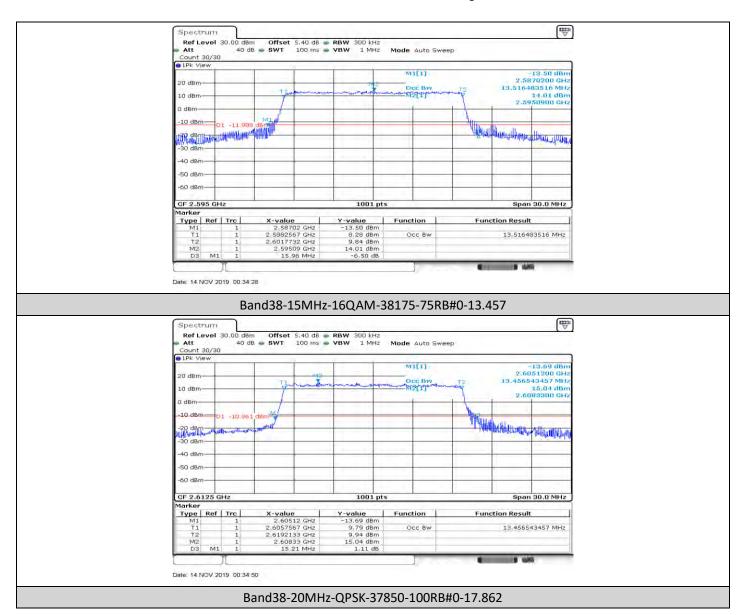
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Report No.: ZR/2019/B000301

Page: 22 of 51





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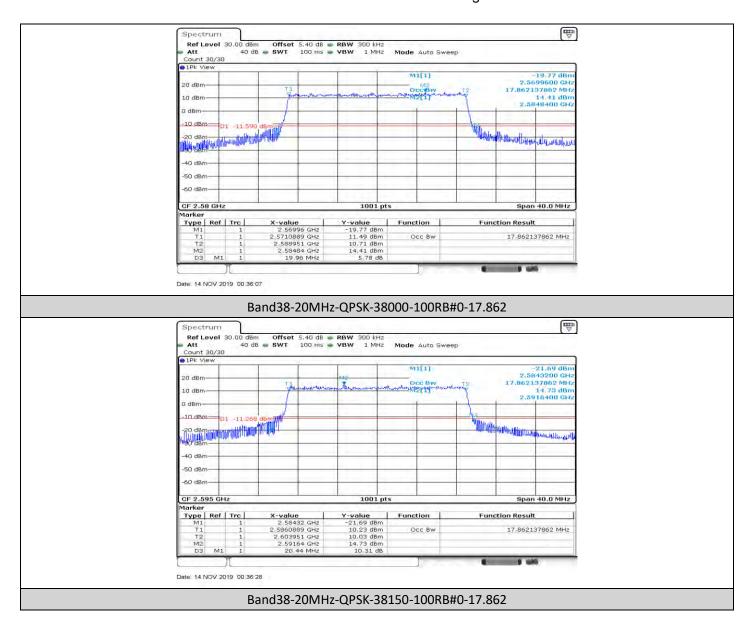
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Report No.: ZR/2019/B000301

Page: 23 of 51





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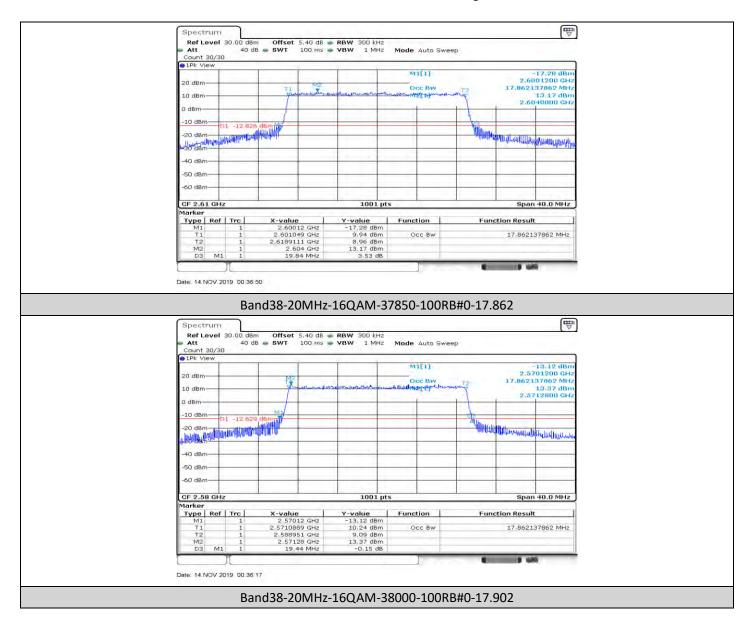
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Report No.: ZR/2019/B000301

Page: 24 of 51





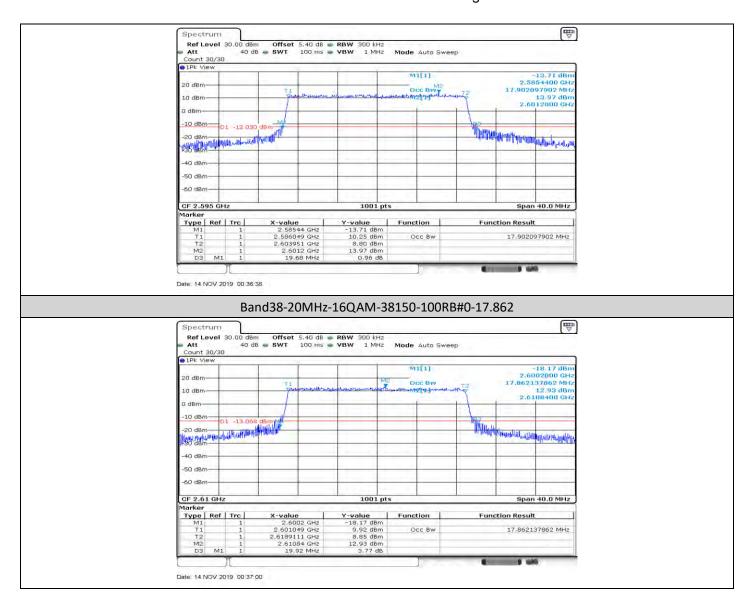
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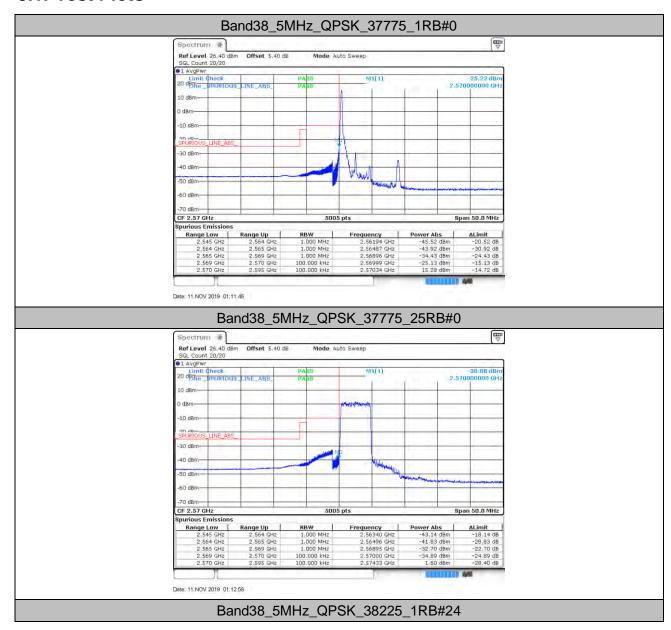
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Page: 26 of 51

5. Band Edge Compliance

5.1. Test Plots



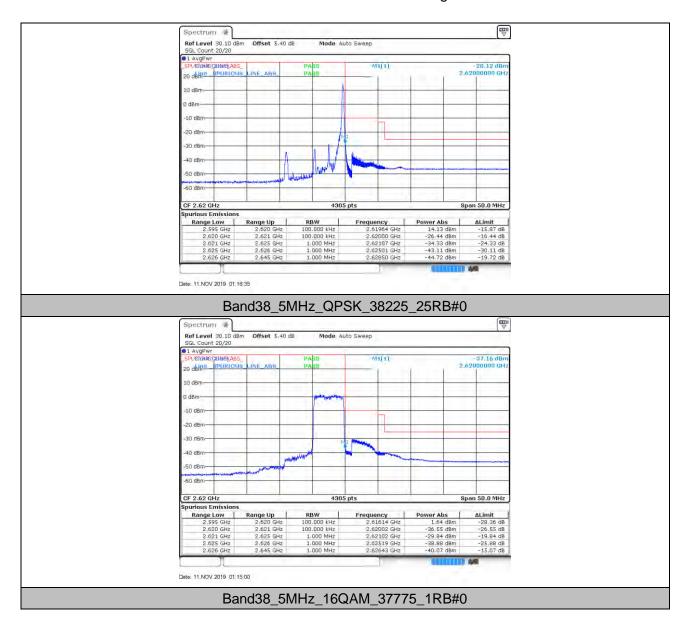


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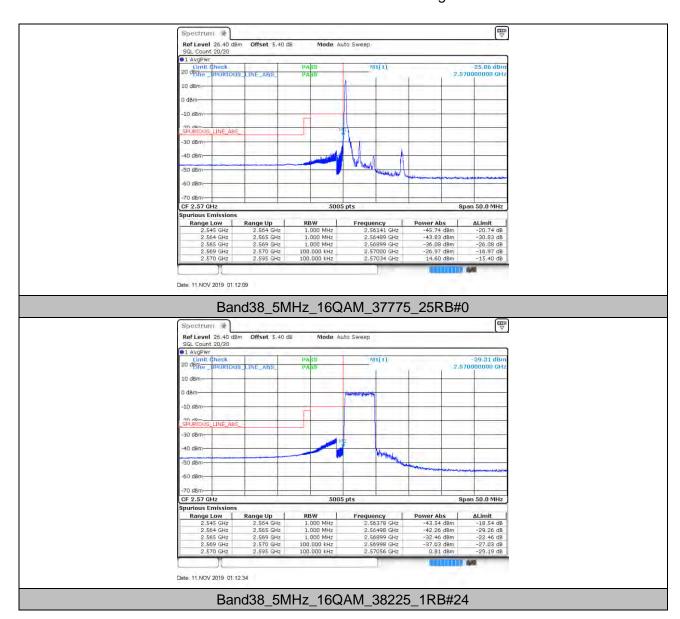
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Page: 28 of 51





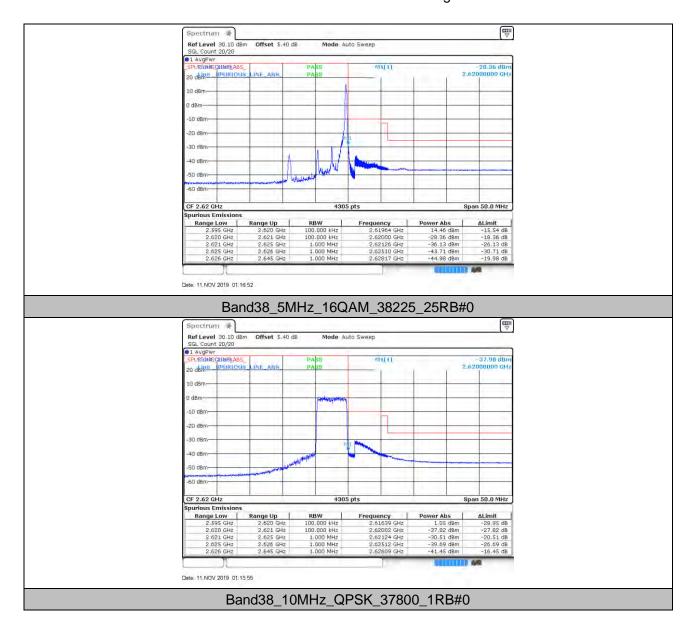
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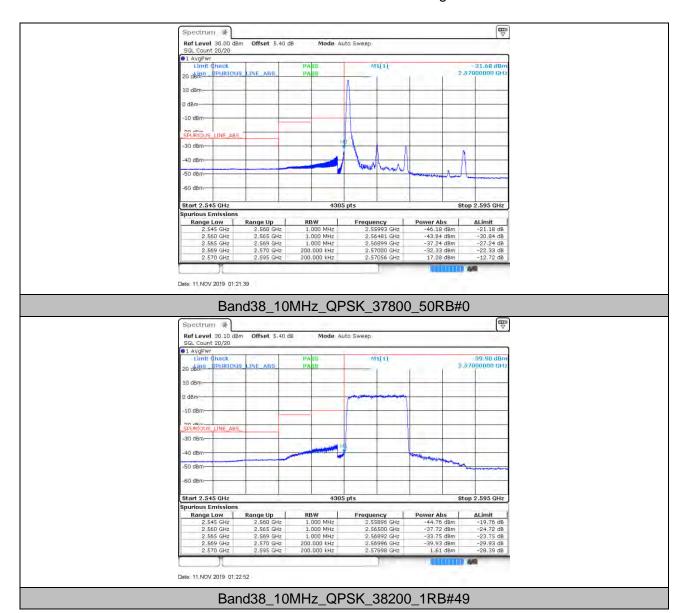
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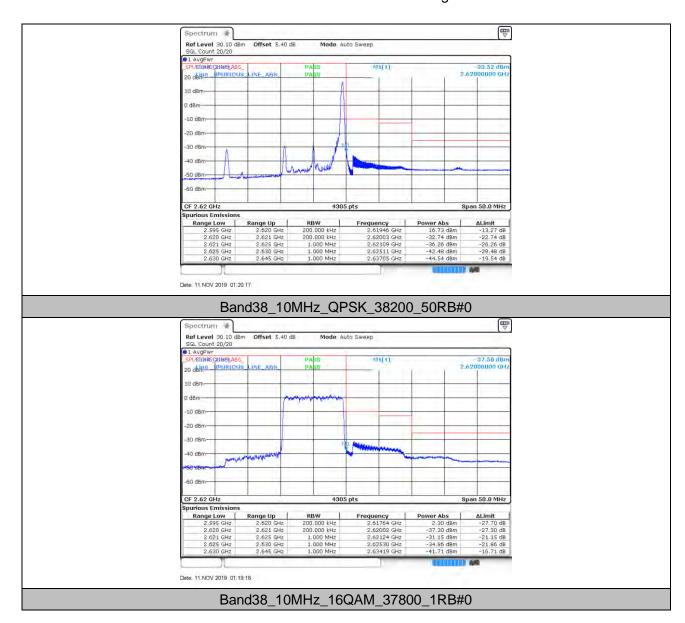
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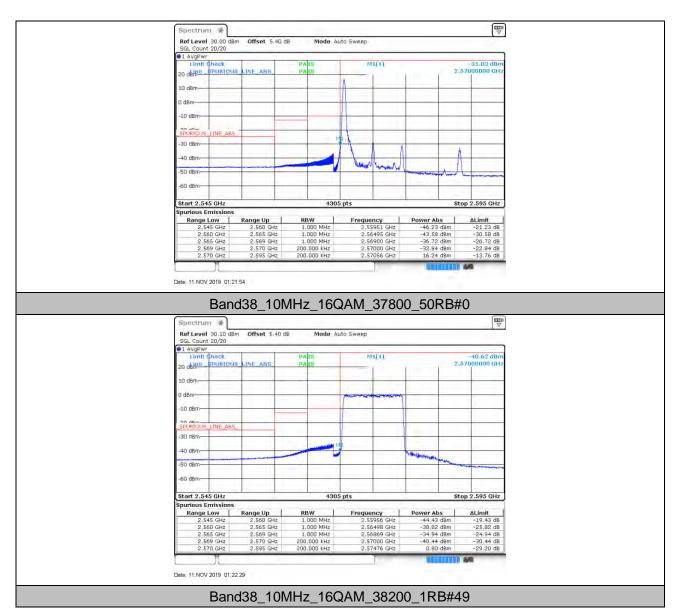


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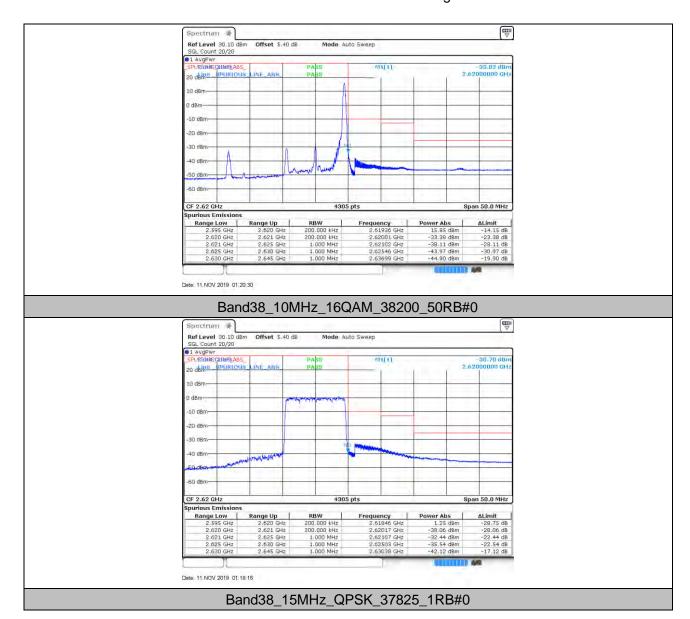
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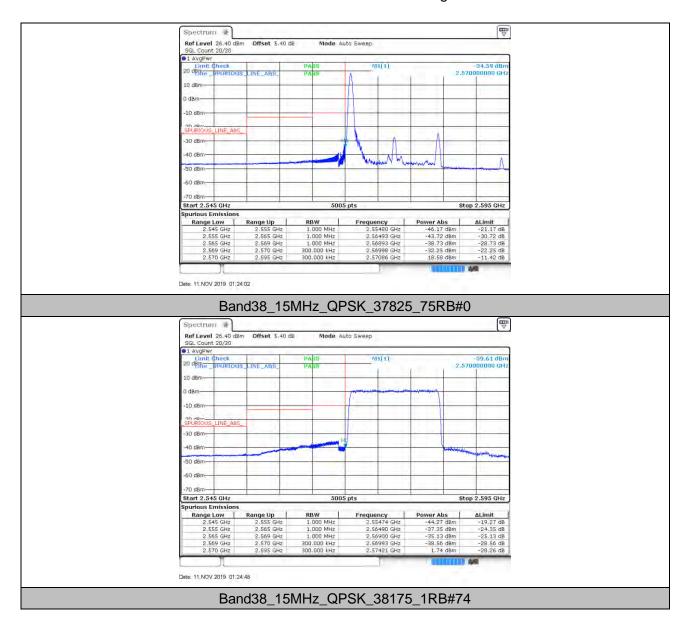


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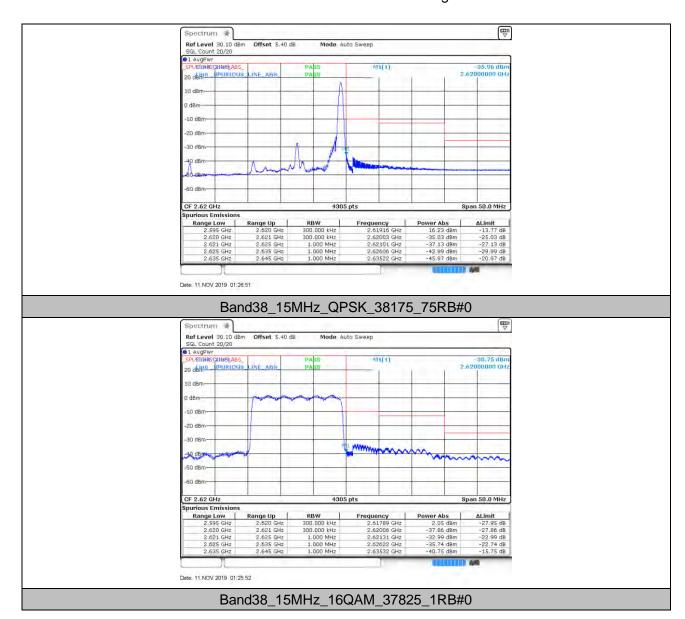
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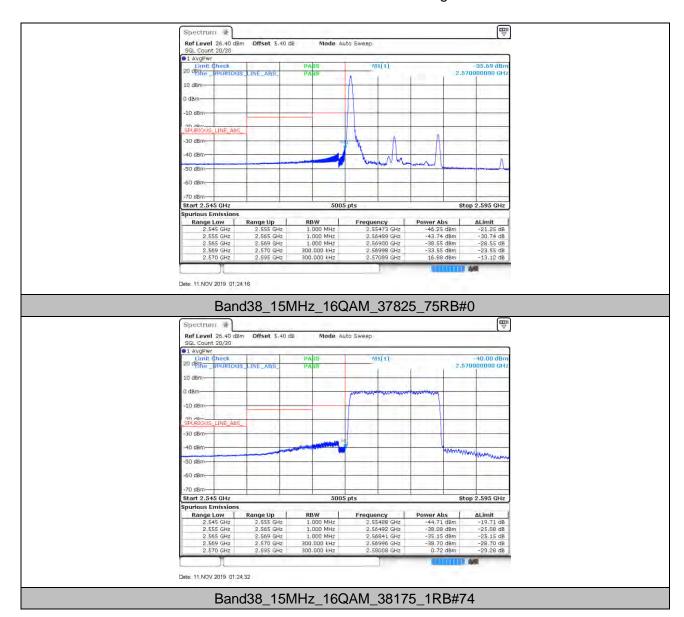
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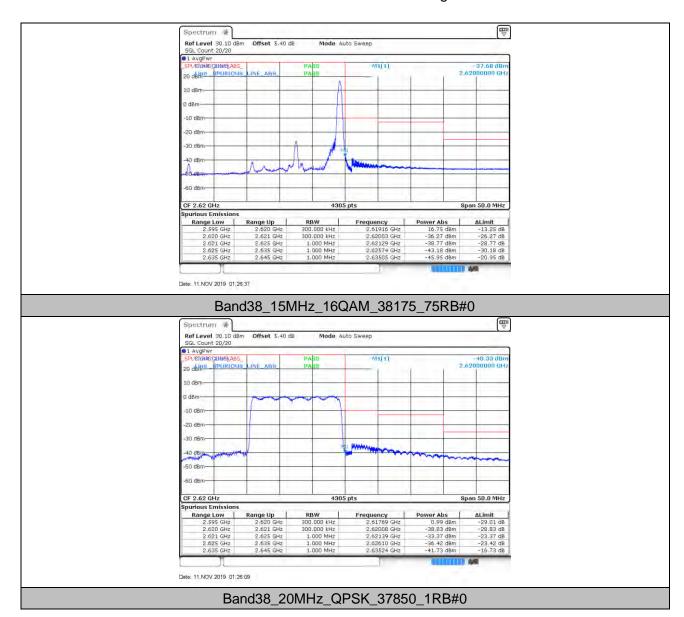
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Report No.: ZR/2019/B000301

Page: 37 of 51





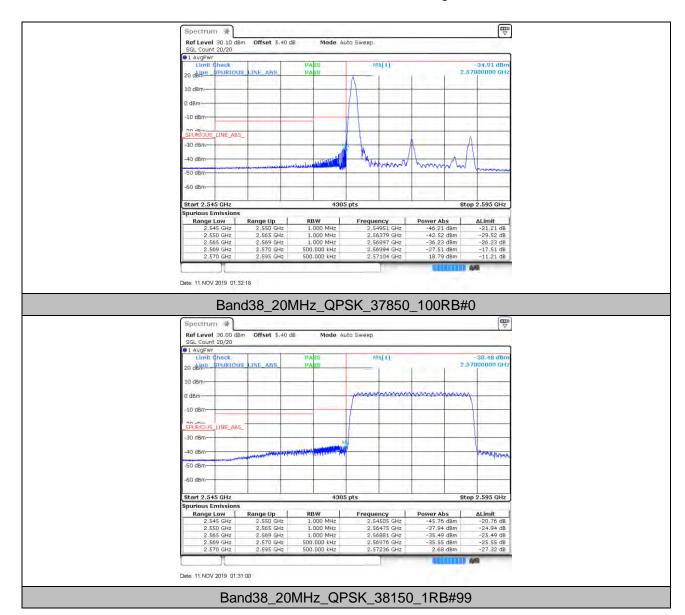
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Report No.: ZR/2019/B000301

Page: 38 of 51



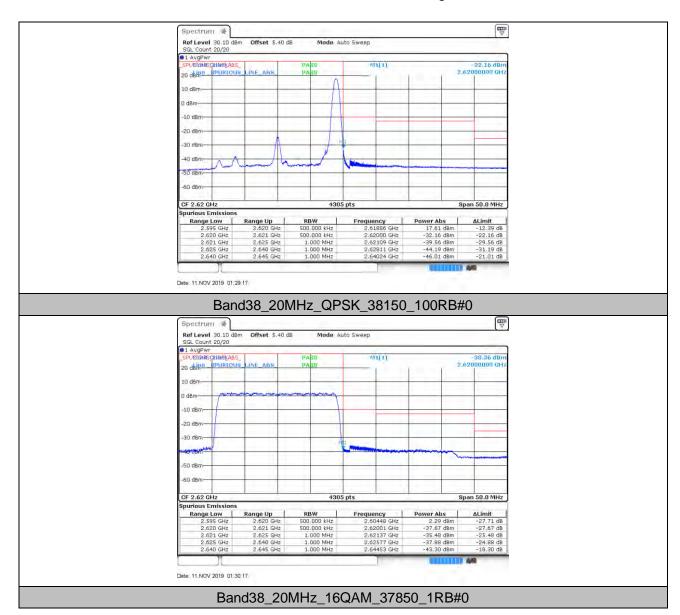


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Report No.: ZR/2019/B000301

Page: 39 of 51





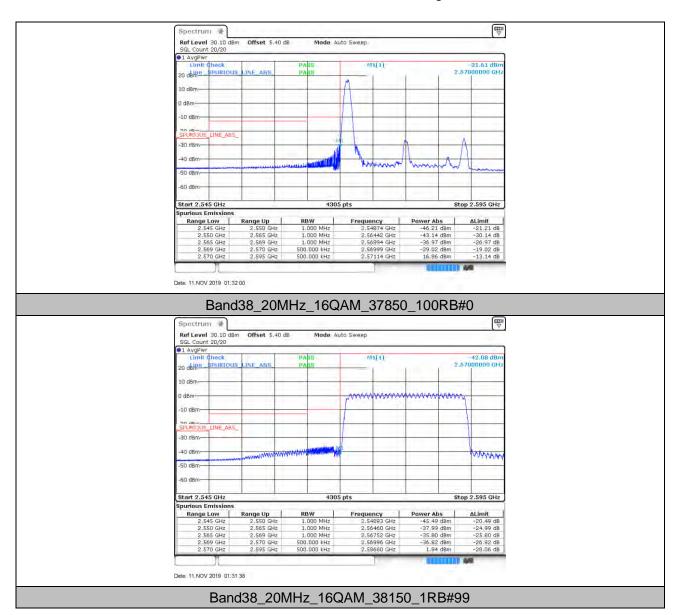
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Report No.: ZR/2019/B000301

Page: 40 of 51





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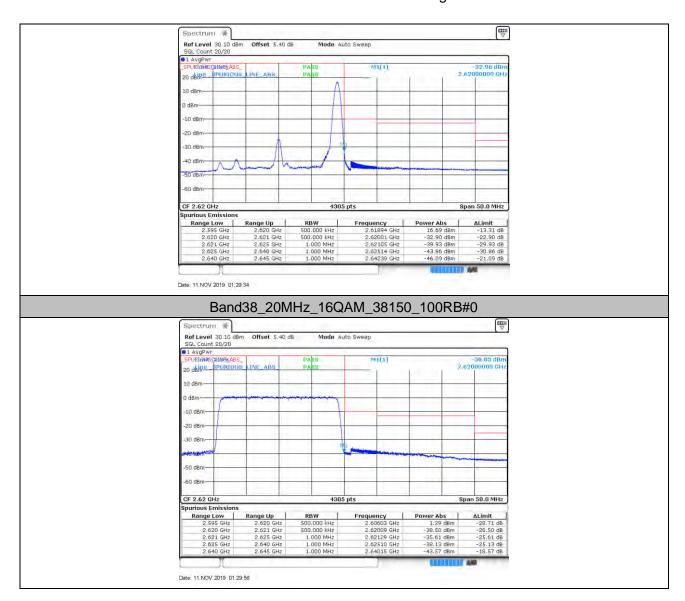
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Report No.: ZR/2019/B000301

Page: 41 of 51





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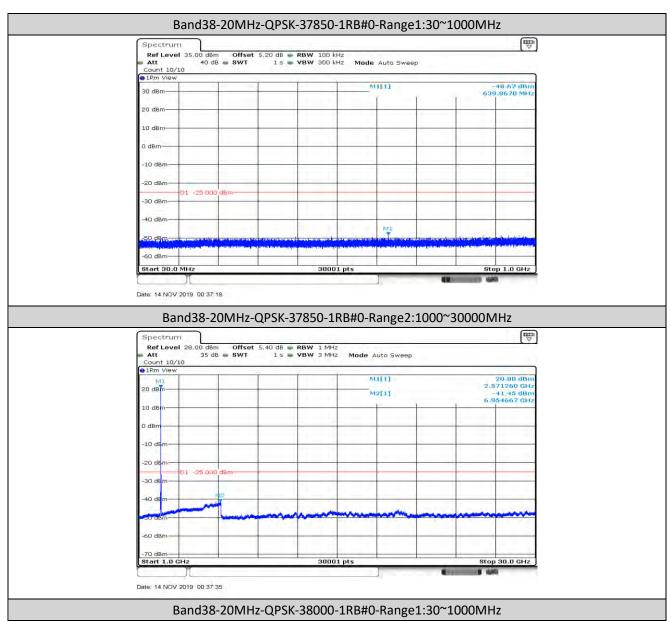
Page: 42 of 51

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





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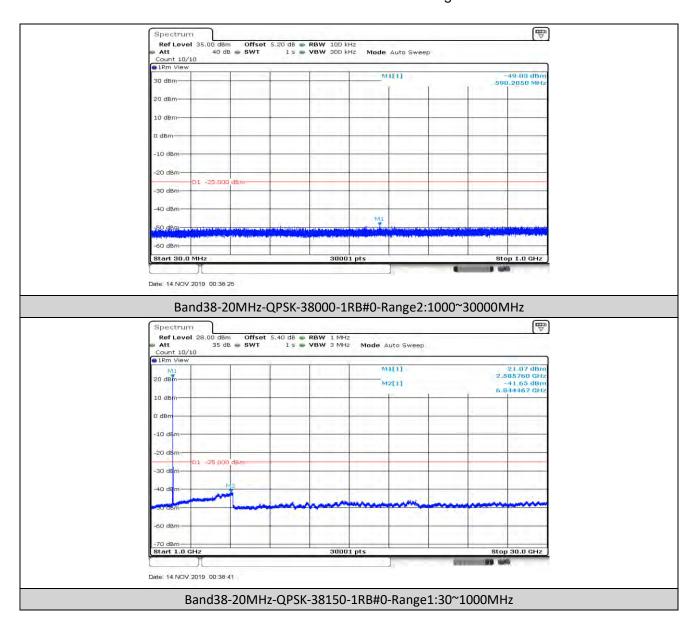
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Report No.: ZR/2019/B000301

Page: 43 of 51





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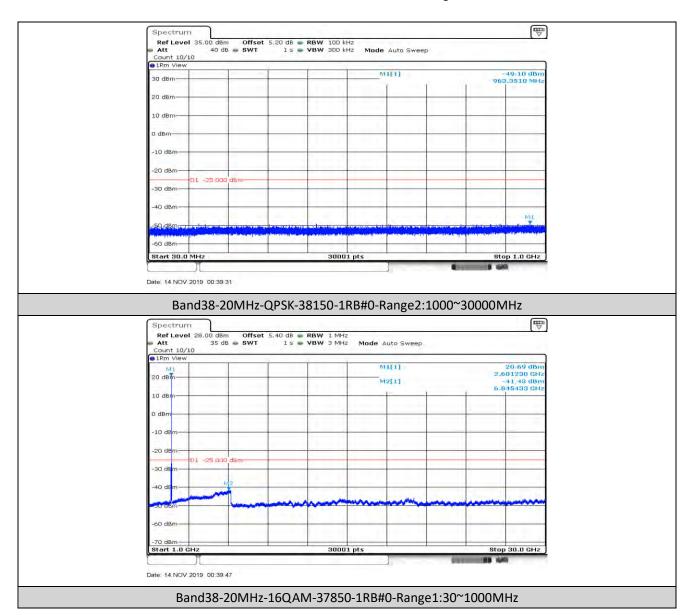
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Report No.: ZR/2019/B000301

Page: 44 of 51





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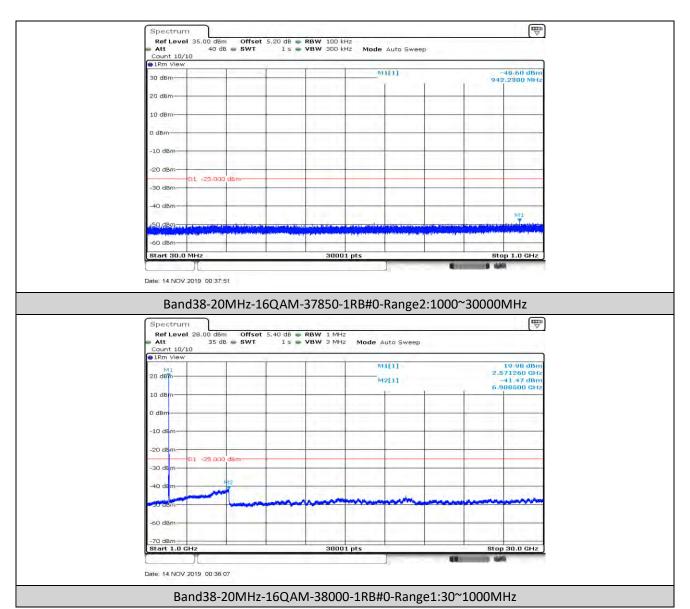
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Report No.: ZR/2019/B000301

Page: 45 of 51





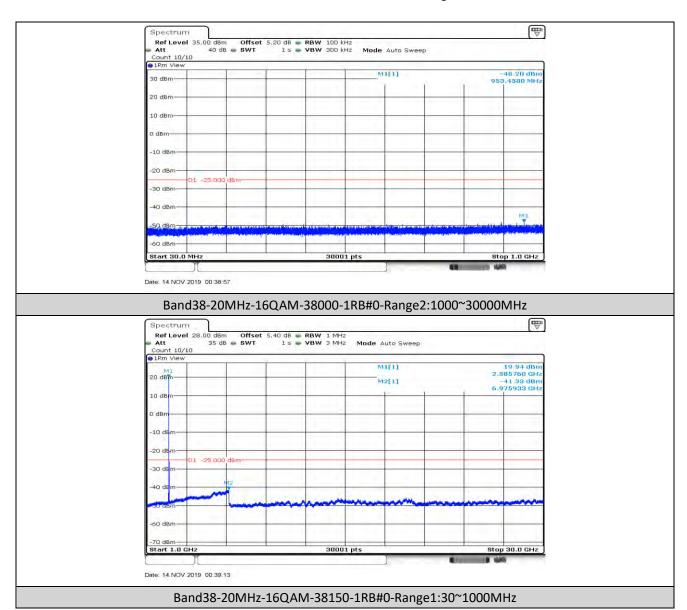
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Report No.: ZR/2019/B000301

Page: 46 of 51





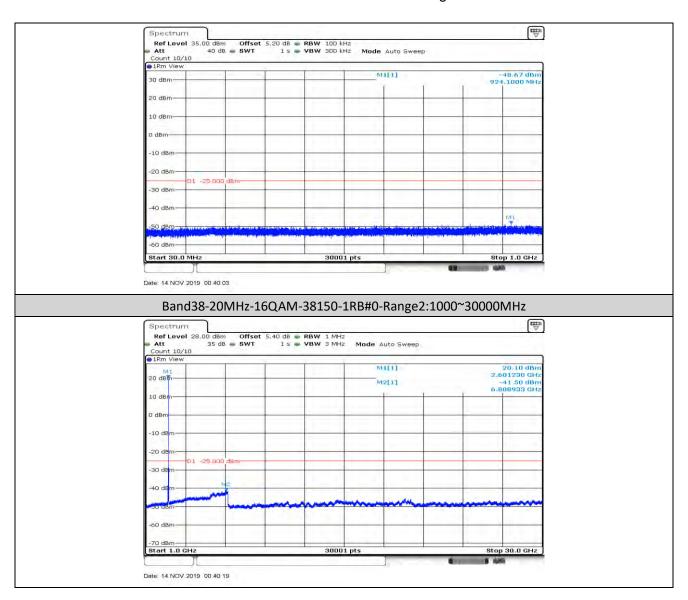
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Page: 48 of 51

7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1

7.1.1.Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
		-13.00		Vertical
42.8046	-64.16	-25.00	39.16	Horizontal
241.5191	-68.42	-25.00	43.42	Horizontal
875.3488	-60.10	-25.00	35.10	Horizontal
5142.0714	-53.47	-25.00	28.47	Horizontal
7713.1571	-44.23	-25.00	19.23	Horizontal
16392.4464	-37.33	-25.00	12.33	Horizontal

7.1.2.Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.3082	-64.88	-25.00	39.88	Vertical
231.0426	-68.85	-25.00	43.85	Vertical
786.2498	-62.24	-25.00	37.24	Vertical
5172.0724	-52.89	-25.00	27.89	Vertical
7758.6586	-41.96	-25.00	16.96	Vertical
16389.9463	-37.18	-25.00	12.18	Vertical
113.1332	-64.80	-25.00	39.80	Horizontal
683.3762	-63.00	-25.00	38.00	Horizontal
5142.0714	-49.25	-25.00	24.25	Horizontal
7713.1571	-33.38	-25.00	8.38	Horizontal
10283.7428	-44.04	-25.00	19.04	Horizontal
17971.4991	-33.44	-25.00	8.44	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
44.5507	-64.61	-25.00	39.61	Vertical
234.9227	-68.20	-25.00	43.20	Vertical
830.5810	-62.10	-25.00	37.10	Vertical
5202.5734	-53.29	-25.00	28.29	Vertical
7803.6601	-40.86	-25.00	15.86	Vertical
16398.9466	-36.95	-25.00	11.95	Vertical
110.1745	-65.90	-25.00	40.90	Horizontal
291.3311	-69.60	-25.00	44.60	Horizontal
846.0533	-61.44	-25.00	36.44	Horizontal
5172.0724	-50.02	-25.00	25.02	Horizontal
7758.1586	-31.01	-25.00	6.01	Horizontal
17997.4999	-33.58	-25.00	8.58	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.
- 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.



50 of 51 Page:

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
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-18.90	-0.007326	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-22.13	-0.008578	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-17.22	-0.006674	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-20.30	-0.007823	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-26.26	-0.010119	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-13.93	-0.005337	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-20.59	-0.007889	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-13.89	-0.005322	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-17.38	-0.006736	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-20.61	-0.007988	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-16.82	-0.006519	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-21.97	-0.008466	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-49.07	-0.018909	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-22.53	-0.008682	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-13.50	-0.005172	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-14.88	-0.005701	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-15.34	-0.005877	±2.5	PASS

8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temper ature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-19.08	-0.007395	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-15.48	-0.006000	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-18.32	-0.007101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-18.54	-0.007186	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-15.85	-0.006143	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-16.75	-0.006492	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-19.83	-0.007686	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-25.66	-0.009946	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-20.71	-0.007981	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-19.47	-0.007503	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-21.14	-0.008146	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-20.74	-0.007992	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-23.57	-0.009083	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-21.56	-0.008308	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-21.46	-0.008270	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-24.02	-0.009256	±2.5	PASS



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Report No.: ZR/2019/B000301

51 of 51 Page:

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Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-16.89	-0.006471	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-14.91	-0.005713	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-18.61	-0.007130	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-14.83	-0.005682	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-14.68	-0.005625	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-19.33	-0.007406	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-14.45	-0.005536	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-13.95	-0.005345	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-23.53	-0.009120	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-18.44	-0.007147	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-17.91	-0.006942	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-16.18	-0.006271	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-19.30	-0.007481	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-20.73	-0.008035	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-15.31	-0.005934	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-18.65	-0.007229	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-21.92	-0.008447	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-22.50	-0.008671	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-16.89	-0.006509	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-20.93	-0.008066	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-19.61	-0.007557	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-21.40	-0.008247	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-25.81	-0.009946	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-19.44	-0.007491	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-15.64	-0.005992	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-13.28	-0.005088	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-17.64	-0.006759	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-14.93	-0.005720	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-14.58	-0.005586	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-14.52	-0.005563	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-16.25	-0.006226	±2.5	PASS



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