Report No.: HR/2018/A000901 Page: 1 of 54

Appendix B

E-UTRA BAND 66



Report No.: HR/2018/A000901 Page: 2 of 54

CONTENT

1.	Effective (Isotropic) Radiated Power	3
	1.1. Test Result	3
2.	Peak-to-Average Ratio(CCDF)	10
	2.1. Test Result	10
	2.2. Test Plots	10
3.	MODULATION CHARACTERISTICS	13
	3.1. Test BAND = LTE BAND 66	13
	3.1.1. Test Mode = LTE /TM1 20MHz	13
	3.1.1.1. Test Channel = MCH	13
	3.1.2. Test Mode = LTE /TM2 20MHz	14
	3.1.2.1. Test Channel = MCH	14
4.	26dB Bandwidth and Occupied Bandwidth	15
	4.1. Test Result	15
	4.2. Test Plots	16
5.	Band Edge Compliance	29
	5.1. Test Plots	29
6.	Spurious Emission at Antenna Terminal	46
	6.1. Test Plots	46
7.	Field Strength of Spurious Radiation	51
	7.1. Test BAND = LTE BAND 66	51
	7.1.1. Test Mode =LTE/TM1 20MHz	51
	7.1.1.1. Test Channel = LCH	51
	7.1.1.2. Test Channel = MCH	51
	7.1.1.3. Test Channel = HCH	52
8.	FREQUENCY STABILITY	53
	8.1. Frequency Vs Voltage	53
	8.2. Frequency Vs Temperature	53

Report No.: HR/2018/A000901 Page: 3 of 54

1. Effective (Isotropic) Radiated Power

1.1.Test Result

SG

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result	EIRP	Limit	Verdict
				··- · ·····	(dBm)	(dBm)	(dBm)	
Band66	1.4MHz	QPSK	131979	1RB#0	23.68	25.18	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.74	25.24	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.79	25.29	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.75	25.25	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.86	25.36	30.00	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.81	25.31	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.78	24.28	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.89	25.39	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.78	25.28	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.79	25.29	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.89	25.39	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	24.20	25.70	30.00	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	24.05	25.55	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.92	24.42	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.46	24.96	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.90	25.40	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.80	25.30	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.86	25.36	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	24.01	25.51	30.00	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.93	25.43	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.72	24.22	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.81	24.31	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.50	24.00	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.40	23.90	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.89	24.39	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.97	24.47	30.00	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.93	24.43	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.93	23.43	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.94	24.44	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.48	23.98	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.55	24.05	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	23.27	24.77	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	23.39	24.89	30.00	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	23.45	24.95	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.77	23.27	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.77	24.27	30.00	PASS

SG:

Report No.: HR/2018/A000901 Page: 4 of 54

Band661.4MHz16QAM1326651RB#222.5024.0030.0Band661.4MHz16QAM1326651RB#522.2323.7330.0Band661.4MHz16QAM1326653RB#023.0424.5430.0Band661.4MHz16QAM1326653RB#123.1324.6330.0Band661.4MHz16QAM1326653RB#123.1324.6330.0Band661.4MHz16QAM1326653RB#322.8524.3530.0Band661.4MHz16QAM1326656RB#021.9423.4430.0Band663MHzQPSK1319871RB#023.9625.4630.0Band663MHzQPSK1319871RB#1423.9625.4630.0Band663MHzQPSK1319871RB#1423.9625.4630.0Band663MHzQPSK1319878RB#022.6724.1730.0Band663MHzQPSK1319878RB#422.7924.2930.0Band663MHzQPSK1319878RB#722.6924.1930.0Band663MHzQPSK13198715RB#022.7224.2230.0Band663MHzQPSK13198715RB#022.7224.2230.0	 PASS
Band66 1.4MHz 16QAM 132665 3RB#0 23.04 24.54 30.0 Band66 1.4MHz 16QAM 132665 3RB#1 23.13 24.63 30.0 Band66 1.4MHz 16QAM 132665 3RB#3 22.85 24.35 30.0 Band66 1.4MHz 16QAM 132665 3RB#3 22.85 24.35 30.0 Band66 1.4MHz 16QAM 132665 6RB#0 21.94 23.44 30.0 Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0	D PASS D PASS D PASS D PASS D PASS D PASS D PASS D PASS D PASS
Band66 1.4MHz 16QAM 132665 3RB#1 23.13 24.63 30.0 Band66 1.4MHz 16QAM 132665 3RB#3 22.85 24.35 30.0 Band66 1.4MHz 16QAM 132665 3RB#3 22.85 24.35 30.0 Band66 1.4MHz 16QAM 132665 6RB#0 21.94 23.44 30.0 Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0	 PASS
Band66 1.4MHz 16QAM 132665 3RB#3 22.85 24.35 30.0 Band66 1.4MHz 16QAM 132665 6RB#0 21.94 23.44 30.0 Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	 PASS PASS PASS PASS PASS PASS PASS PASS PASS
Band66 1.4MHz 16QAM 132665 6RB#0 21.94 23.44 30.0 Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	 PASS PASS PASS PASS PASS PASS PASS
Band66 3MHz QPSK 131987 1RB#0 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#4 22.69 24.19 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	 PASS PASS PASS PASS PASS
Band66 3MHz QPSK 131987 1RB#8 23.57 25.07 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	0 PASS 0 PASS 0 PASS 0 PASS 0 PASS
Band66 3MHz QPSK 131987 1RB#14 23.96 25.46 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	0 PASS 0 PASS 0 PASS
Band66 3MHz QPSK 131987 8RB#0 22.67 24.17 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	0 PASS 0 PASS
Band66 3MHz QPSK 131987 8RB#4 22.79 24.29 30.0 Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	D PASS
Band66 3MHz QPSK 131987 8RB#7 22.69 24.19 30.0	-
) PASS
Band66 3MHz QPSK 131987 15RB#0 22.72 24.22 30.0	
	D PASS
Band66 3MHz QPSK 132322 1RB#0 24.16 25.66 30.0	D PASS
Band66 3MHz QPSK 132322 1RB#8 23.51 25.01 30.0	D PASS
Band66 3MHz QPSK 132322 1RB#14 24.28 25.78 30.0	D PASS
Band66 3MHz QPSK 132322 8RB#0 22.90 24.40 30.0	D PASS
Band66 3MHz QPSK 132322 8RB#4 22.97 24.47 30.0	D PASS
Band66 3MHz QPSK 132322 8RB#7 23.02 24.52 30.0	D PASS
Band66 3MHz QPSK 132322 15RB#0 22.97 24.47 30.0	D PASS
Band66 3MHz QPSK 132657 1RB#0 23.89 25.39 30.0	D PASS
Band66 3MHz QPSK 132657 1RB#8 23.41 24.91 30.0	D PASS
Band66 3MHz QPSK 132657 1RB#14 23.89 25.39 30.0	D PASS
Band66 3MHz QPSK 132657 8RB#0 22.74 24.24 30.0	D PASS
Band66 3MHz QPSK 132657 8RB#4 22.83 24.33 30.0	D PASS
Band66 3MHz QPSK 132657 8RB#7 22.76 24.26 30.0	D PASS
Band66 3MHz QPSK 132657 15RB#0 22.85 24.35 30.0	D PASS
Band66 3MHz 16QAM 131987 1RB#0 22.88 24.38 30.0	D PASS
Band66 3MHz 16QAM 131987 1RB#8 22.05 23.55 30.0	D PASS
Band66 3MHz 16QAM 131987 1RB#14 22.92 24.42 30.0	D PASS
Band66 3MHz 16QAM 131987 8RB#0 21.68 23.18 30.0	D PASS
Band66 3MHz 16QAM 131987 8RB#4 21.72 23.22 30.0	D PASS
Band66 3MHz 16QAM 131987 8RB#7 21.71 23.21 30.0	D PASS
Band66 3MHz 16QAM 131987 15RB#0 21.78 23.28 30.0	D PASS
Band66 3MHz 16QAM 132322 1RB#0 22.21 23.71 30.0	D PASS
Band66 3MHz 16QAM 132322 1RB#8 22.47 23.97 30.0	D PASS
Band66 3MHz 16QAM 132322 1RB#14 22.45 23.95 30.0	D PASS
Band66 3MHz 16QAM 132322 8RB#0 21.82 23.32 30.0	D PASS
Band66 3MHz 16QAM 132322 8RB#4 22.06 23.56 30.0	D PASS
Band66 3MHz 16QAM 132322 8RB#7 22.11 23.61 30.0	D PASS
Band66 3MHz 16QAM 132322 15RB#0 22.06 23.56 30.0	D PASS
Band66 3MHz 16QAM 132657 1RB#0 22.13 23.63 30.0	D PASS

SG:

Report No.: HR/2018/A000901 Page: 5 of 54

·						1		
Band66	3MHz	16QAM	132657	1RB#8	22.20	23.70	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.82	23.32	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#0	21.95	23.45	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#4	21.95	23.45	30.00	PASS
Band66	3MHz	16QAM	132657	8RB#7	21.97	23.47	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.95	23.45	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.65	25.15	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.54	25.04	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.97	25.47	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.93	24.43	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.62	24.12	30.00	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.93	24.43	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.82	24.32	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.84	25.34	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.80	25.30	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	24.28	25.78	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#0	22.94	24.44	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#6	22.80	24.30	30.00	PASS
Band66	5MHz	QPSK	132322	12RB#13	23.18	24.68	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.91	24.41	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.84	25.34	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.35	24.85	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.82	25.32	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.67	24.17	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.45	23.95	30.00	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.78	24.28	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.74	24.24	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.80	24.30	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.86	24.36	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.70	24.20	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.70	23.20	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.70	23.20	30.00	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.72	23.22	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.90	23.40	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.47	23.97	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.62	24.12	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.46	23.96	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.62	23.12	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.93	23.43	30.00	PASS
Band66	5MHz	16QAM	132322	12RB#13	21.66	23.16	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.80	23.30	30.00	PASS
		16QAM	132647	1RB#0	22.21	23.71	30.00	PASS

SG:

Report No.: HR/2018/A000901 Page: 6 of 54

Band6650Band6650Band6650	MHz MHz MHz	16QAM 16QAM	132647	1RB#12	22.88	24.38	30.00	PASS
Band66 51 Band66 51		16QAM						
Band66 5	MHz		132647	1RB#24	22.78	24.28	30.00	PASS
		16QAM	132647	12RB#0	21.72	23.22	30.00	PASS
	MHz	16QAM	132647	12RB#6	21.48	22.98	30.00	PASS
Band66 5	MHz	16QAM	132647	12RB#13	21.64	23.14	30.00	PASS
Band66 5	MHz	16QAM	132647	25RB#0	21.68	23.18	30.00	PASS
Band66 10)MHz	QPSK	132022	1RB#0	23.78	25.28	30.00	PASS
Band66 10	MHz	QPSK	132022	1RB#24	23.93	25.43	30.00	PASS
Band66 10	MHz	QPSK	132022	1RB#49	24.12	25.62	30.00	PASS
Band66 10	MHz	QPSK	132022	25RB#0	22.87	24.37	30.00	PASS
Band66 10)MHz	QPSK	132022	25RB#12	22.60	24.10	30.00	PASS
Band66 10	MHz	QPSK	132022	25RB#25	22.94	24.44	30.00	PASS
Band66 10)MHz	QPSK	132022	50RB#0	22.91	24.41	30.00	PASS
Band66 10)MHz	QPSK	132322	1RB#0	23.96	25.46	30.00	PASS
Band66 10)MHz	QPSK	132322	1RB#24	24.08	25.58	30.00	PASS
Band66 10)MHz	QPSK	132322	1RB#49	24.10	25.60	30.00	PASS
Band66 10)MHz	QPSK	132322	25RB#0	23.02	24.52	30.00	PASS
Band66 10)MHz	QPSK	132322	25RB#12	22.87	24.37	30.00	PASS
Band66 10)MHz	QPSK	132322	25RB#25	23.18	24.68	30.00	PASS
Band66 10)MHz	QPSK	132322	50RB#0	22.99	24.49	30.00	PASS
Band66 10)MHz	QPSK	132622	1RB#0	23.51	25.01	30.00	PASS
Band66 10)MHz	QPSK	132622	1RB#24	23.94	25.44	30.00	PASS
Band66 10)MHz	QPSK	132622	1RB#49	24.04	25.54	30.00	PASS
Band66 10)MHz	QPSK	132622	25RB#0	22.79	24.29	30.00	PASS
Band66 10)MHz	QPSK	132622	25RB#12	22.42	23.92	30.00	PASS
Band66 10)MHz	QPSK	132622	25RB#25	22.74	24.24	30.00	PASS
Band66 10)MHz	QPSK	132622	50RB#0	22.75	24.25	30.00	PASS
Band66 10)MHz	16QAM	132022	1RB#0	22.50	24.00	30.00	PASS
Band66 10)MHz	16QAM	132022	1RB#24	22.46	23.96	30.00	PASS
Band66 10)MHz	16QAM	132022	1RB#49	22.27	23.77	30.00	PASS
Band66 10)MHz	16QAM	132022	25RB#0	21.84	23.34	30.00	PASS
Band66 10)MHz	16QAM	132022	25RB#12	21.68	23.18	30.00	PASS
Band66 10)MHz	16QAM	132022	25RB#25	21.72	23.22	30.00	PASS
Band66 10	MHz	16QAM	132022	50RB#0	21.75	23.25	30.00	PASS
Band66 10	MHz	16QAM	132322	1RB#0	22.42	23.92	30.00	PASS
Band66 10	MHz	16QAM	132322	1RB#24	22.51	24.01	30.00	PASS
Band66 10)MHz	16QAM	132322	1RB#49	22.48	23.98	30.00	PASS
Band66 10	MHz	16QAM	132322	25RB#0	22.06	23.56	30.00	PASS
Band66 10	MHz	16QAM	132322	25RB#12	21.96	23.46	30.00	PASS
Band66 10	MHz	16QAM	132322	25RB#25	22.05	23.55	30.00	PASS
Band66 10)MHz	16QAM	132322	50RB#0	22.07	23.57	30.00	PASS
Band66 10)MHz	16QAM	132622	1RB#0	22.17	23.67	30.00	PASS

SG

Report No.: HR/2018/A000901 Page: 7 of 54

Band66 10MHz 16OAM 132622 1RB#49 22.43 23.93 30.00 PASS Band66 10MHz 16OAM 132622 25RB#0 21.67 23.17 30.00 PASS Band66 10MHz 16OAM 132622 25RB#12 21.62 23.12 30.00 PASS Band66 10MHz 16OAM 132622 25RB#12 21.80 23.03 30.00 PASS Band66 15MHz OPSK 132047 1RB#3 23.75 25.25 30.00 PASS Band66 15MHz OPSK 132047 1RB#3 22.65 24.16 30.00 PASS Band66 15MHz OPSK 132047 36RB#0 22.80 24.16 30.00 PASS Band66 15MHz OPSK 132047 36RB#0 23.17 24.67 30.00 PASS Band66 15MHz OPSK 132322 1RB#0 23.44 23.40 24.61 30.00				1		1	r	1	
Band66 10MHz 16QAM 132622 25RB#0 21.67 23.17 30.00 PASS Band66 10MHz 16QAM 132622 25RB#12 21.62 23.12 30.00 PASS Band66 10MHz 16QAM 132622 25RB#25 21.80 23.30 30.00 PASS Band66 15MHz 0PSK 132047 1RB#0 23.75 25.25 30.00 PASS Band66 15MHz 0PSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz 0PSK 132047 36RB#0 22.66 24.16 30.00 PASS Band66 15MHz 0PSK 132047 36RB#18 22.80 24.30 30.00 PASS Band66 15MHz 0PSK 132322 1RB#74 23.94 25.44 30.00 PASS Band66 15MHz 0PSK 132322 1RB#78 23.94 25.44 30.00 PASS </td <td>Band66</td> <td>10MHz</td> <td>16QAM</td> <td>132622</td> <td>1RB#24</td> <td>22.67</td> <td>24.17</td> <td>30.00</td> <td>PASS</td>	Band66	10MHz	16QAM	132622	1RB#24	22.67	24.17	30.00	PASS
Band66 10MHz 16QAM 132622 25RB#12 21.62 23.12 30.00 PASS Band66 10MHz 16QAM 132622 25RB#25 21.80 23.30 30.00 PASS Band66 15MHz QPSK 132047 1RB#00 23.75 25.26 30.00 PASS Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 36RB#18 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 75RB#0 23.80 24.30 30.00 PASS Band66 15MHz QPSK 13222 1RB#74 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.94 25.44 30.00 PASS <td>Band66</td> <td>10MHz</td> <td>16QAM</td> <td>132622</td> <td>1RB#49</td> <td>22.43</td> <td>23.93</td> <td>30.00</td> <td>PASS</td>	Band66	10MHz	16QAM	132622	1RB#49	22.43	23.93	30.00	PASS
Band66 10MHz 16QAM 132622 25RB#25 21.80 23.30 30.00 PASS Band66 10MHz 16QAM 132622 50RB#0 21.87 23.37 30.00 PASS Band66 15MHz QPSK 132047 1RB#0 23.75 25.25 30.00 PASS Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 36RB#18 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 36RB#18 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS <td>Band66</td> <td>10MHz</td> <td>16QAM</td> <td>132622</td> <td>25RB#0</td> <td>21.67</td> <td>23.17</td> <td>30.00</td> <td>PASS</td>	Band66	10MHz	16QAM	132622	25RB#0	21.67	23.17	30.00	PASS
Band66 10MHz 160AM 132622 50R#0 21.87 23.37 30.00 PASS Band66 15MHz QPSK 132047 1RB#0 23.75 25.25 30.00 PASS Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 36RB#0 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz QPSK 132047 75RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.42 30.00 PASS	Band66	10MHz	16QAM	132622	25RB#12	21.62	23.12	30.00	PASS
Band66 15MHz OPSK 132047 1RB#0 23.75 25.25 30.00 PASS Band66 15MHz OPSK 132047 1RB#38 23.78 25.28 30.00 PASS Band66 15MHz OPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz OPSK 132047 36RB#18 22.65 24.15 30.00 PASS Band66 15MHz OPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz OPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz OPSK 132322 1RB#38 23.94 25.46 30.00 PASS Band66 15MHz OPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz OPSK 132322 36RB#39 23.15 24.65 30.00 PASS	Band66	10MHz	16QAM	132622	25RB#25	21.80	23.30	30.00	PASS
Band66 15MHz QPSK 132047 1RB#38 23.78 25.28 30.00 PASS Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 36RB#0 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz QPSK 132047 75RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS	Band66	10MHz	16QAM	132622	50RB#0	21.87	23.37	30.00	PASS
Band66 15MHz QPSK 132047 1RB#74 24.12 25.62 30.00 PASS Band66 15MHz QPSK 132047 36RB#0 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz QPSK 132047 37RB#0 22.80 24.03 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.40 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132527 75RB#0 22.96 24.46 30.00 PASS	Band66	15MHz	QPSK	132047	1RB#0	23.75	25.25	30.00	PASS
Band66 15MHz QPSK 132047 36RB#0 22.66 24.16 30.00 PASS Band66 15MHz QPSK 132047 36RB#18 22.65 24.15 30.00 PASS Band66 15MHz QPSK 132047 75RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.96 25.44 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#70 22.75 24.25 30.00 PASS	Band66	15MHz	QPSK	132047	1RB#38	23.78	25.28	30.00	PASS
Band66 15MHz QPSK 132047 36RB#18 22.65 24.15 30.00 PASS Band66 15MHz QPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.65 30.00 PASS Band66 15MHz QPSK 132327 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#70 22.71 24.25 30.00 PASS	Band66	15MHz	QPSK	132047	1RB#74	24.12	25.62	30.00	PASS
Band66 15MHz QPSK 132047 36RB#39 23.17 24.67 30.00 PASS Band66 15MHz QPSK 132047 75RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132047</td> <td>36RB#0</td> <td>22.66</td> <td>24.16</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132047	36RB#0	22.66	24.16	30.00	PASS
Band66 15MHz QPSK 132047 75RB#0 22.80 24.30 30.00 PASS Band66 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS	Band66	15MHz	QPSK	132047	36RB#18	22.65	24.15	30.00	PASS
Bande6 15MHz QPSK 132322 1RB#0 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Band66 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.75 24.25 30.00 PASS	Band66	15MHz	QPSK	132047	36RB#39	23.17	24.67	30.00	PASS
Bande6 15MHz QPSK 132322 1RB#38 23.94 25.44 30.00 PASS Bande6 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Bande6 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Bande6 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Bande6 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Bande6 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Bande6 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Bande6 15MHz QPSK 132597 1RB#38 22.75 24.25 30.00 PASS Bande6 15MHz QPSK 132597 36RB#18 22.76 24.26 30.00 PASS	Band66	15MHz	QPSK	132047	75RB#0	22.80	24.30	30.00	PASS
Band66 15MHz QPSK 132322 1RB#74 23.96 25.46 30.00 PASS Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132322</td> <td>1RB#0</td> <td>23.94</td> <td>25.44</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132322	1RB#0	23.94	25.44	30.00	PASS
Band66 15MHz QPSK 132322 36RB#0 23.10 24.60 30.00 PASS Band66 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#0 23.81 25.31 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.76 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.46 30.00 PASS <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132322</td> <td>1RB#38</td> <td>23.94</td> <td>25.44</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132322	1RB#38	23.94	25.44	30.00	PASS
Bandéé 15MHz QPSK 132322 36RB#18 22.82 24.32 30.00 PASS Bandéé 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Bandéé 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Bandéé 15MHz QPSK 132597 1RB#0 23.81 25.31 30.00 PASS Bandéé 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Bandéé 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Bandéé 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Bandéé 15MHz QPSK 132597 75RB#0 22.74 24.24 30.00 PASS Bandéé 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS	Band66	15MHz	QPSK	132322	1RB#74	23.96	25.46	30.00	PASS
Band66 15MHz QPSK 132322 36RB#39 23.15 24.65 30.00 PASS Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#0 23.81 25.31 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132047 1RB#38 22.91 24.41 30.00 PASS	Band66	15MHz	QPSK	132322	36RB#0	23.10	24.60	30.00	PASS
Band66 15MHz QPSK 132322 75RB#0 22.96 24.46 30.00 PASS Band66 15MHz QPSK 132597 1RB#0 23.81 25.31 30.00 PASS Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#0 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS	Band66	15MHz	QPSK	132322	36RB#18	22.82	24.32	30.00	PASS
Band66 15MHz QPSK 132597 1RB#0 23.81 25.31 30.00 PASS Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#0 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132322</td> <td>36RB#39</td> <td>23.15</td> <td>24.65</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132322	36RB#39	23.15	24.65	30.00	PASS
Band66 15MHz QPSK 132597 1RB#38 23.39 24.89 30.00 PASS Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#0 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132047 1RB#0 22.96 24.46 30.00 PASS Band66 15MHz 16QAM 132047 1RB#74 22.88 24.38 30.00 PASS Band66 15MHz 16QAM 132047 36RB#18 21.82 23.32 30.00 PASS <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132322</td> <td>75RB#0</td> <td>22.96</td> <td>24.46</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132322	75RB#0	22.96	24.46	30.00	PASS
Band66 15MHz QPSK 132597 1RB#74 23.60 25.10 30.00 PASS Band66 15MHz QPSK 132597 36RB#0 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz 16QAM 132047 1RB#0 22.96 24.46 30.00 PASS Band66 15MHz 16QAM 132047 1RB#74 22.88 24.38 30.00 PASS Band66 15MHz 16QAM 132047 36RB#18 21.82 23.32 30.00 PASS </td <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132597</td> <td>1RB#0</td> <td>23.81</td> <td>25.31</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132597	1RB#0	23.81	25.31	30.00	PASS
Band66 15MHz QPSK 132597 36RB#0 22.75 24.25 30.00 PASS Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 1RB#74 22.88 24.38 30.00 PASS Band66 15MHz 16QAM 132047 36RB#18 21.87 23.37 30.00 PASS	Band66	15MHz	QPSK	132597	1RB#38	23.39	24.89	30.00	PASS
Band66 15MHz QPSK 132597 36RB#18 22.56 24.06 30.00 PASS Band66 15MHz QPSK 132597 36RB#39 22.74 24.24 30.00 PASS Band66 15MHz QPSK 132597 75RB#0 22.76 24.26 30.00 PASS Band66 15MHz QPSK 132047 1RB#0 22.96 24.46 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 1RB#38 22.91 24.41 30.00 PASS Band66 15MHz 16QAM 132047 36RB#0 21.82 23.32 30.00 PASS Band66 15MHz 16QAM 132047 36RB#18 21.87 23.37 30.00 PASS Band66 15MHz 16QAM 132047 36RB#39 21.83 23.33 30.00 PASS	Band66	15MHz	QPSK	132597	1RB#74	23.60	25.10	30.00	PASS
Band6615MHzQPSK13259736RB#3922.7424.2430.00PASSBand6615MHzQPSK13259775RB#022.7624.2630.00PASSBand6615MHz16QAM1320471RB#022.9624.4630.00PASSBand6615MHz16QAM1320471RB#3822.9124.4130.00PASSBand6615MHz16QAM1320471RB#3822.9124.4130.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#322.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00 <t< td=""><td>Band66</td><td>15MHz</td><td>QPSK</td><td>132597</td><td>36RB#0</td><td>22.75</td><td>24.25</td><td>30.00</td><td>PASS</td></t<>	Band66	15MHz	QPSK	132597	36RB#0	22.75	24.25	30.00	PASS
Band6615MHzQPSK13259775RB#022.7624.2630.00PASSBand6615MHz16QAM1320471RB#022.9624.4630.00PASSBand6615MHz16QAM1320471RB#3822.9124.4130.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00 <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132597</td> <td>36RB#18</td> <td>22.56</td> <td>24.06</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132597	36RB#18	22.56	24.06	30.00	PASS
Band6615MHz16QAM1320471RB#022.9624.4630.00PASSBand6615MHz16QAM1320471RB#3822.9124.4130.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM132221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00 <td>Band66</td> <td>15MHz</td> <td>QPSK</td> <td>132597</td> <td>36RB#39</td> <td>22.74</td> <td>24.24</td> <td>30.00</td> <td>PASS</td>	Band66	15MHz	QPSK	132597	36RB#39	22.74	24.24	30.00	PASS
Band6615MHz16QAM1320471RB#3822.9124.4130.00PASSBand6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00	Band66	15MHz	QPSK	132597	75RB#0	22.76	24.26	30.00	PASS
Band6615MHz16QAM1320471RB#7422.8824.3830.00PASSBand6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.0	Band66	15MHz	16QAM	132047	1RB#0	22.96	24.46	30.00	PASS
Band6615MHz16QAM13204736RB#021.8223.3230.00PASSBand6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.	Band66	15MHz	16QAM	132047	1RB#38	22.91	24.41	30.00	PASS
Band6615MHz16QAM13204736RB#1821.8723.3730.00PASSBand6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASS	Band66	15MHz	16QAM	132047	1RB#74	22.88	24.38	30.00	PASS
Band6615MHz16QAM13204736RB#3921.8323.3330.00PASSBand6615MHz16QAM13204775RB#022.0323.5330.00PASSBand6615MHz16QAM1323221RB#022.3823.8830.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#3822.5924.0930.00PASSBand6615MHz16QAM1323221RB#7422.4523.9530.00PASSBand6615MHz16QAM13232236RB#021.9923.4930.00PASSBand6615MHz16QAM13232236RB#1821.9523.4530.00PASSBand6615MHz16QAM13232236RB#1821.9523.5530.00PASSBand6615MHz16QAM13232236RB#3922.0523.5530.00PASS	Band66	15MHz	16QAM	132047	36RB#0	21.82	23.32	30.00	PASS
Band66 15MHz 16QAM 132047 75RB#0 22.03 23.53 30.00 PASS Band66 15MHz 16QAM 132322 1RB#0 22.38 23.88 30.00 PASS Band66 15MHz 16QAM 132322 1RB#0 22.38 23.88 30.00 PASS Band66 15MHz 16QAM 132322 1RB#38 22.59 24.09 30.00 PASS Band66 15MHz 16QAM 132322 1RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 36RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 36RB#0 21.99 23.49 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132047	36RB#18	21.87	23.37	30.00	PASS
Band66 15MHz 16QAM 132322 1RB#0 22.38 23.88 30.00 PASS Band66 15MHz 16QAM 132322 1RB#38 22.59 24.09 30.00 PASS Band66 15MHz 16QAM 132322 1RB#38 22.59 24.09 30.00 PASS Band66 15MHz 16QAM 132322 1RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 36RB#0 21.99 23.49 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132047	36RB#39	21.83	23.33	30.00	PASS
Band66 15MHz 16QAM 132322 1RB#38 22.59 24.09 30.00 PASS Band66 15MHz 16QAM 132322 1RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 1RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 36RB#0 21.99 23.49 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132047	75RB#0	22.03	23.53	30.00	PASS
Band66 15MHz 16QAM 132322 1RB#74 22.45 23.95 30.00 PASS Band66 15MHz 16QAM 132322 36RB#0 21.99 23.49 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132322	1RB#0	22.38	23.88	30.00	PASS
Band66 15MHz 16QAM 132322 36RB#0 21.99 23.49 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132322	1RB#38	22.59	24.09	30.00	PASS
Band66 15MHz 16QAM 132322 36RB#18 21.95 23.45 30.00 PASS Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132322	1RB#74	22.45	23.95	30.00	PASS
Band66 15MHz 16QAM 132322 36RB#39 22.05 23.55 30.00 PASS	Band66	15MHz	16QAM	132322	36RB#0	21.99	23.49	30.00	PASS
	Band66	15MHz	16QAM	132322	36RB#18	21.95	23.45	30.00	PASS
Band66 15MHz 16QAM 132322 75RB#0 22.02 23.52 30.00 PASS	Band66	15MHz	16QAM	132322	36RB#39	22.05	23.55	30.00	PASS
	Band66	15MHz	16QAM	132322	75RB#0	22.02	23.52	30.00	PASS
Band66 15MHz 16QAM 132597 1RB#0 22.89 24.39 30.00 PASS	Band66	15MHz	16QAM	132597	1RB#0	22.89	24.39	30.00	PASS

SG:

Report No.: HR/2018/A000901 Page: 8 of 54

·						I		
Band66	15MHz	16QAM	132597	1RB#38	22.29	23.79	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.39	23.89	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#0	21.77	23.27	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#18	21.64	23.14	30.00	PASS
Band66	15MHz	16QAM	132597	36RB#39	21.64	23.14	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.69	23.19	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.88	25.38	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	24.04	25.54	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.84	25.34	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.86	24.36	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.73	24.23	30.00	PASS
Band66	20MHz	QPSK	132072	50RB#50	23.03	24.53	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.81	24.31	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.93	25.43	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	24.14	25.64	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.86	25.36	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#0	23.04	24.54	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.95	24.45	30.00	PASS
Band66	20MHz	QPSK	132322	50RB#50	23.16	24.66	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.93	24.43	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.74	25.24	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.57	25.07	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.55	25.05	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.81	24.31	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.52	24.02	30.00	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.61	24.11	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.73	24.23	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.44	23.94	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.65	24.15	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.69	24.19	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#0	21.92	23.42	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#25	21.84	23.34	30.00	PASS
Band66	20MHz	16QAM	132072	50RB#50	21.80	23.30	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.79	23.29	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.52	24.02	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.50	24.00	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.46	23.96	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#0	22.02	23.52	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#25	21.98	23.48	30.00	PASS
Band66	20MHz	16QAM	132322	50RB#50	21.98	23.48	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.88	23.38	30.00	PASS

Report No.: HR/2018/A000901 Page: 9 of 54

Band66	20MHz	16QAM	132572	1RB#49	22.22	23.72	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.37	23.87	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.79	23.29	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.71	23.21	30.00	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.65	23.15	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.78	23.28	30.00	PASS

Remark:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

Report No.: HR/2018/A000901 Page: 10 of 54

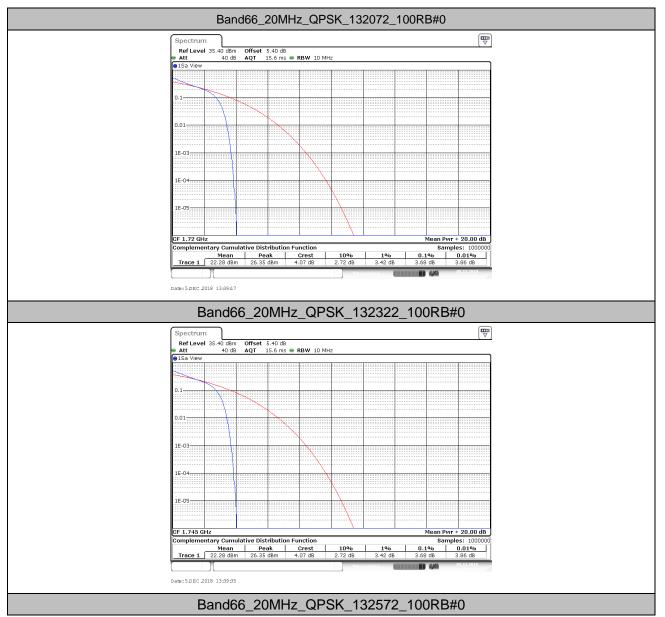
2. Peak-to-Average Ratio(CCDF)

2.1.Test Result

S

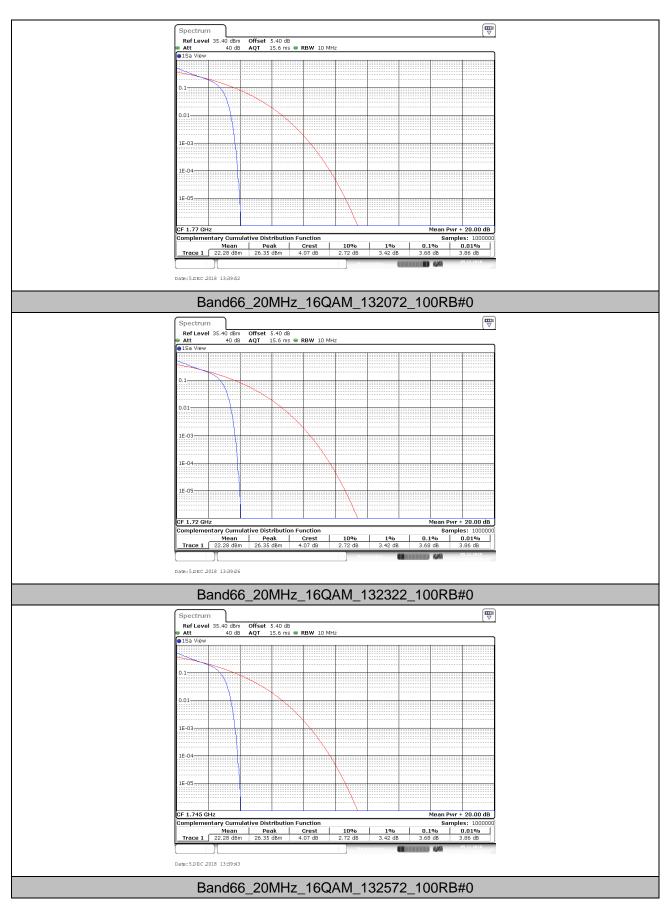
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	3.68	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	3.68	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	3.68	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	3.68	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	3.68	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	3.68	13	PASS

2.2. Test Plots



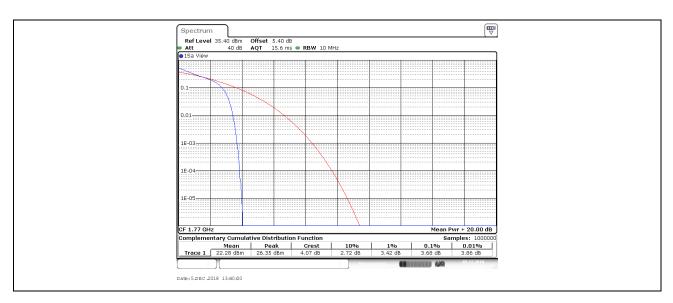


Report No.: HR/2018/A000901 Page: 11 of 54





Report No.: HR/2018/A000901 Page: 12 of 54



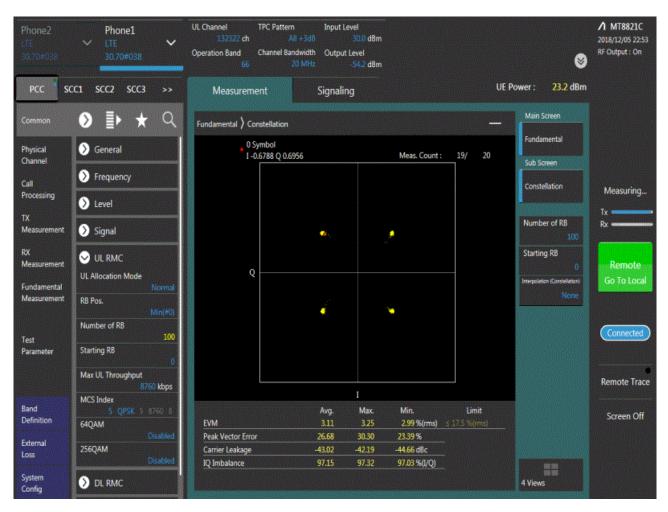
Report No.: HR/2018/A000901 Page: 13 of 54

3. Modulation Characteristics

3.1.Test BAND = LTE BAND 66

3.1.1. Test Mode = LTE /TM1 20MHz

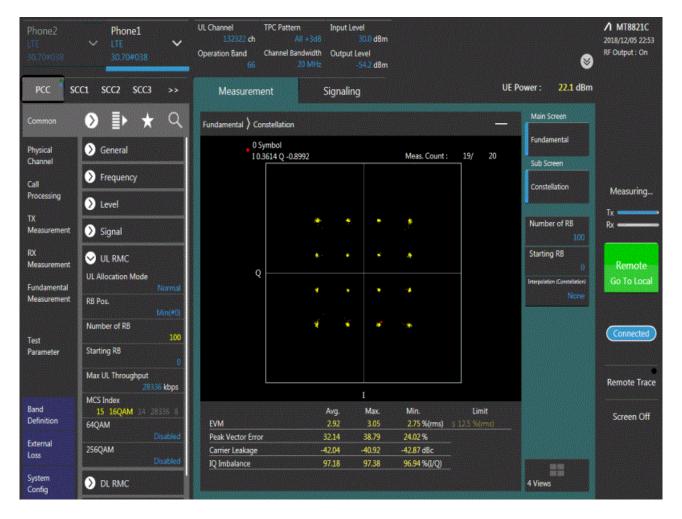
3.1.1.1. Test Channel = MCH



> Report No.: HR/2018/A000901 Page: 14 of 54

3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



Report No.: HR/2018/A000901 Page: 15 of 54

4. 26dB Bandwidth and Occupied Bandwidth

4.1.Test Result

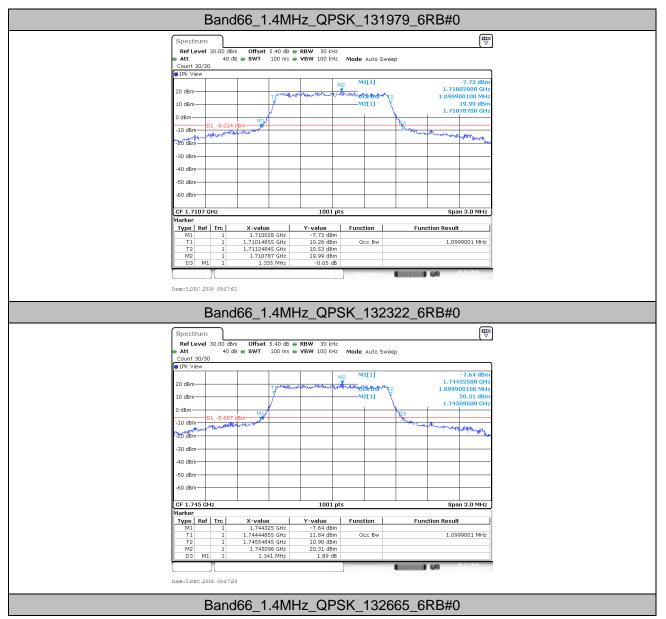
SG

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.1	1.335	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.1	1.341	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.094	1.308	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.094	1.320	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.094	1.317	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.094	1.317	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.703	3.024	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.697	3.012	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.703	3.012	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.691	2.982	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.691	2.988	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.691	2.976	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.476	5.010	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.476	5.020	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.476	4.970	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.496	4.990	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.496	4.980	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.496	4.990	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.931	9.700	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.911	9.740	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.931	9.680	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.911	9.760	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.911	9.780	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.911	9.760	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.427	14.760	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.397	14.730	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.427	14.760	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.427	14.700	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.427	14.730	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.427	14.790	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.862	19.360	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.862	19.400	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.862	19.440	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.862	19.320	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.822	19.440	PASS

Report No.: HR/2018/A000901 Page: 16 of 54

Band66	20MHz	16QAM	132572	100RB#0	17.862	19.320	PASS
--------	-------	-------	--------	---------	--------	--------	------

4.2. Test Plots





Report No.: HR/2018/A000901 Page: 17 of 54



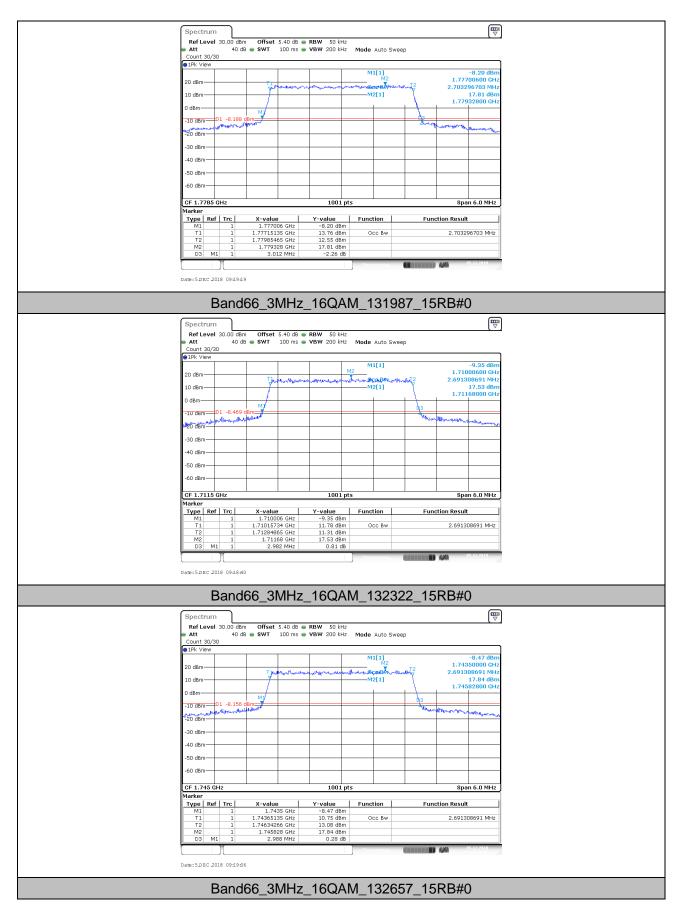


Report No.: HR/2018/A000901 Page: 18 of 54



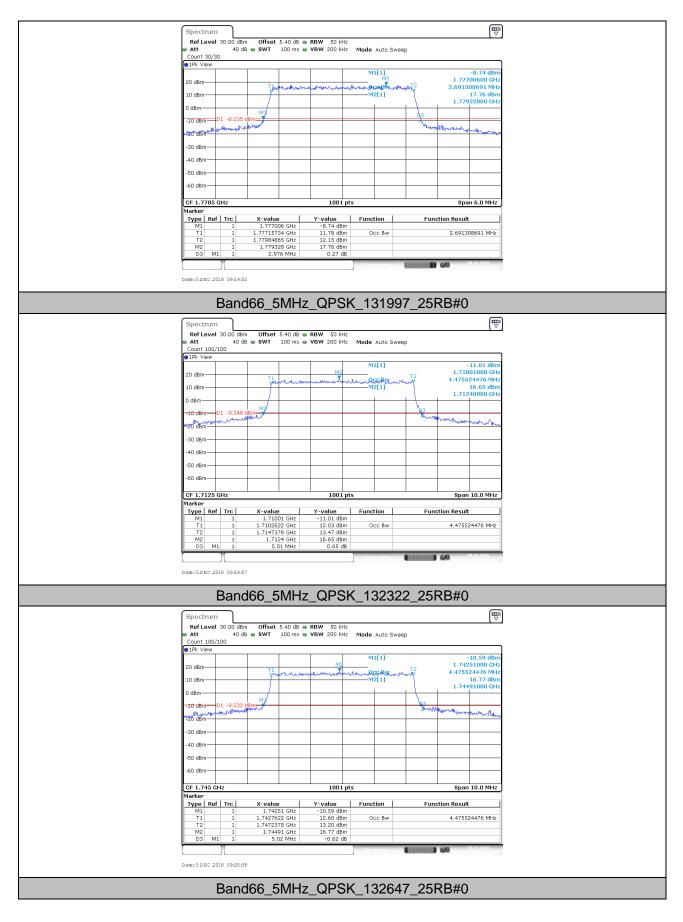


Report No.: HR/2018/A000901 Page: 19 of 54





Report No.: HR/2018/A000901 Page: 20 of 54



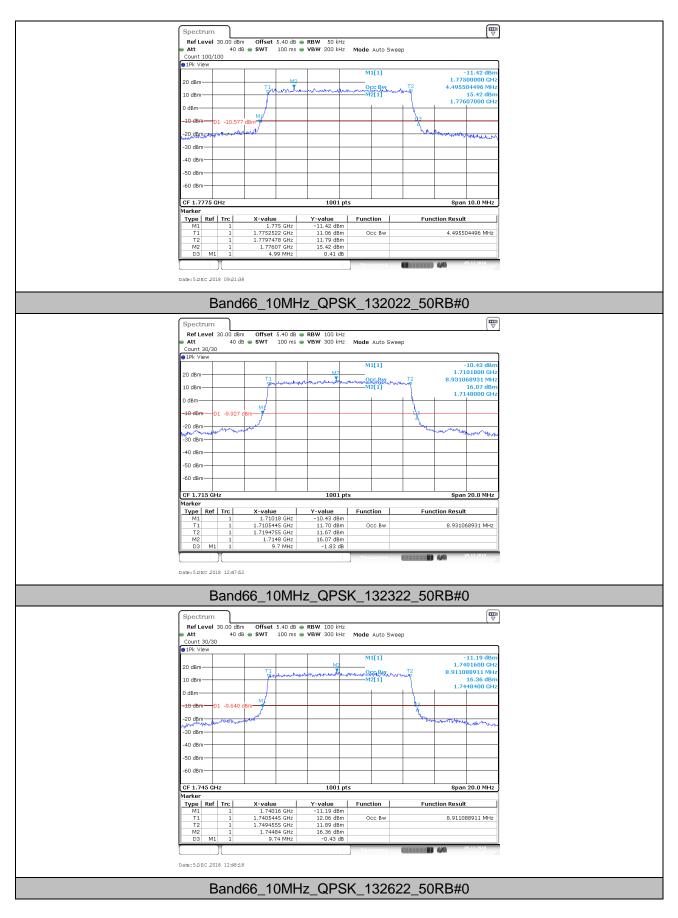


Report No.: HR/2018/A000901 Page: 21 of 54



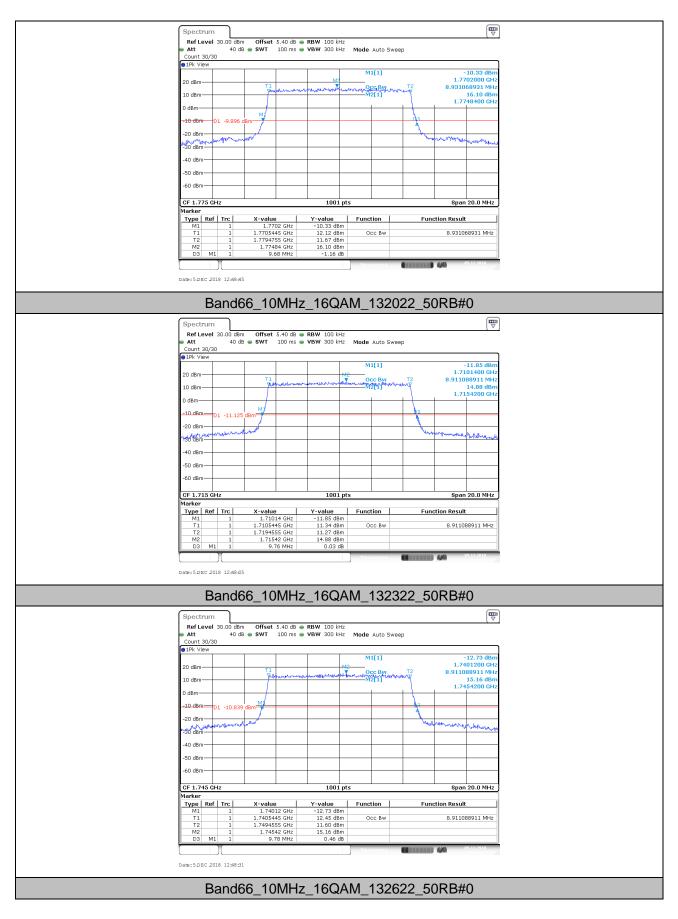


Report No.: HR/2018/A000901 Page: 22 of 54



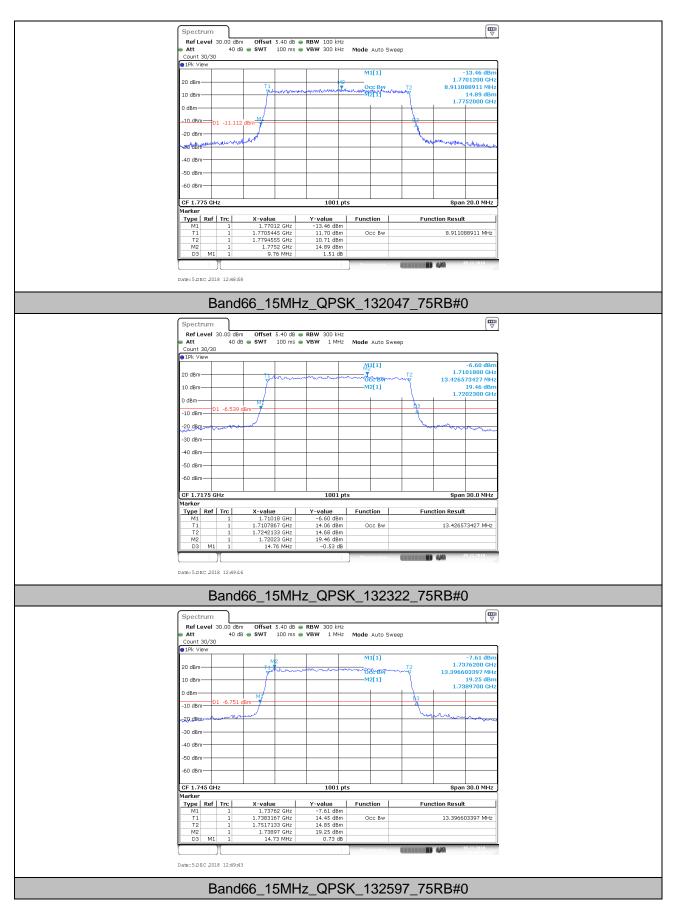


Report No.: HR/2018/A000901 Page: 23 of 54





Report No.: HR/2018/A000901 Page: 24 of 54



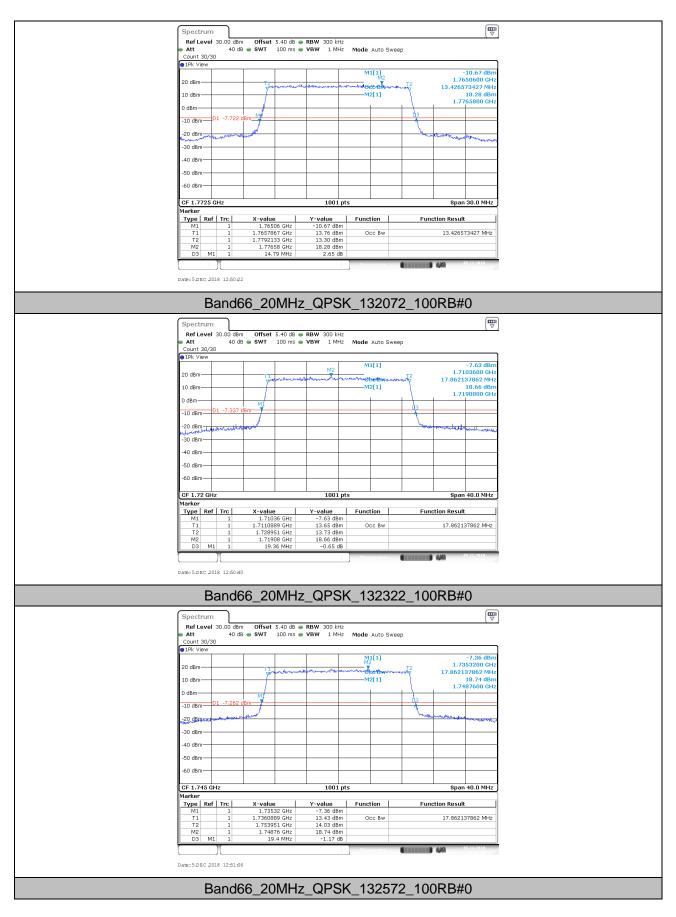


Report No.: HR/2018/A000901 Page: 25 of 54



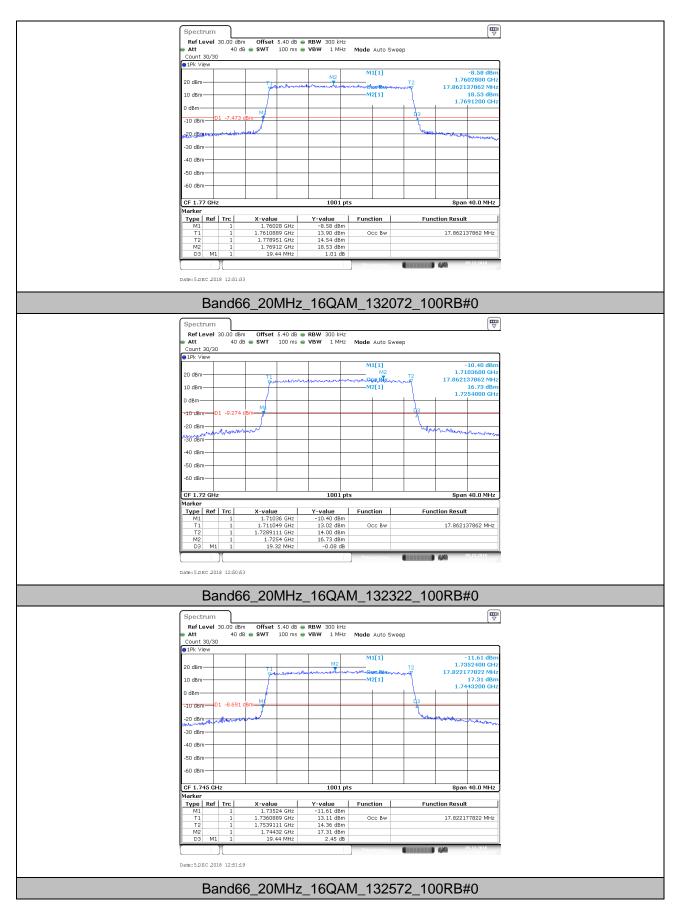


Report No.: HR/2018/A000901 Page: 26 of 54





Report No.: HR/2018/A000901 Page: 27 of 54





Report No.: HR/2018/A000901 Page: 28 of 54

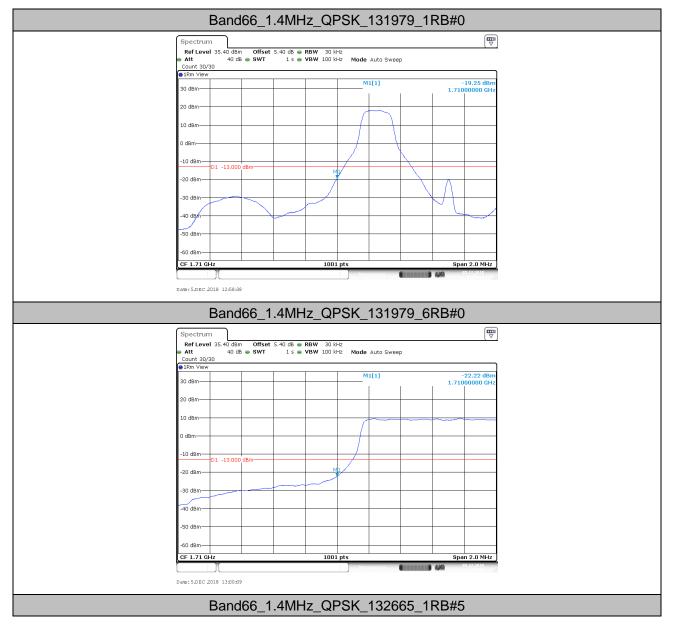
									_
Spectru	n								Ē
Ref Leve	al 30.00 dB	m Offset	5.40 dB 🖷	• RBW 300 kHz	2				
🖷 Att		B 😑 SWT	100 ms e	VBW 1 MHz	Mode Aut	o Sweep)		
Count 30,	'30								
●1Pk View									
			м	2	M1[1]			1.70	-8.98 dBm 603200 GHz
20 dBm		11		Leven warmen	www.www.Qoe.P	44	T2		137862 MHz
10 dBm-		r			M2[1]		wite		17.48 dBm
								1.70	652800 GHz
0 dBm		M							
-10 dBm-	D1 -8.519	dBm					<u>d</u> 3		
		1.1					٦.		
-20 dBm-	water	n-nw*						with any televening	- almanumber
-30 dBm-									
-40 dBm-									
-50 d8m-									
-60 dBm									
CF 1.77 G	Hz			1001 p	ots			Spar	1 40.0 MHz
Marker	(11				1	-	_		
Type R M1	et Irc	X-valu	32 GHz	Y-value -8.98 dBm	Function		Fun	iction Resul	t
T1	1	1.7610		13.53 dBm		w		17.8621	37862 MHz
T2	1	1.77891		12.47 dBm					
M2	1		28 GHz	17.48 dBm					
D3	41 1	19.	32 MHz	-1.01 dB	-				
[][Measuri	n a		1,00	05.12.2018
	2018 12:51:4	6							



Report No.: HR/2018/A000901 Page: 29 of 54

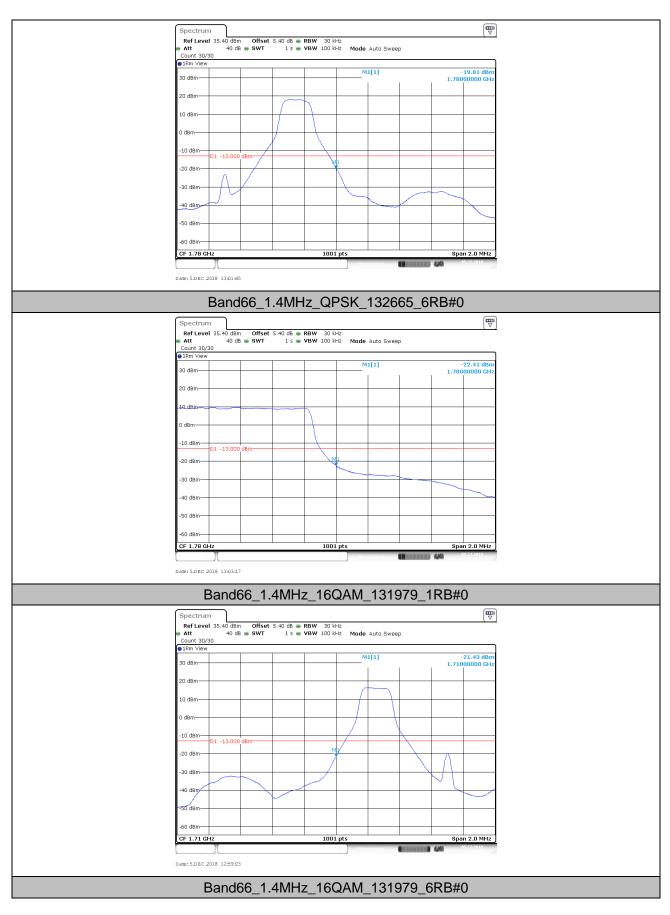
5. Band Edge Compliance

5.1.Test Plots



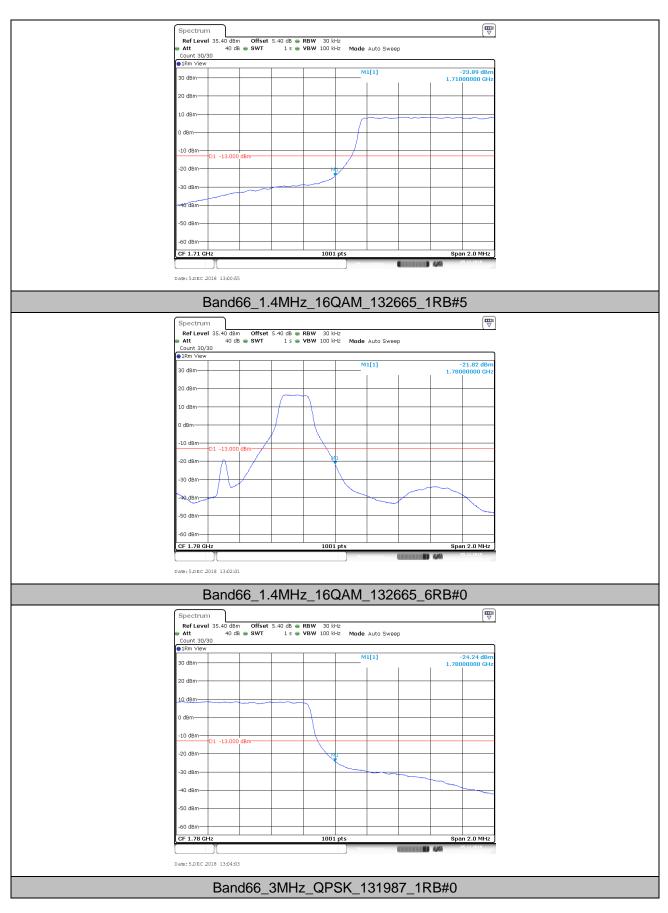


Report No.: HR/2018/A000901 Page: 30 of 54



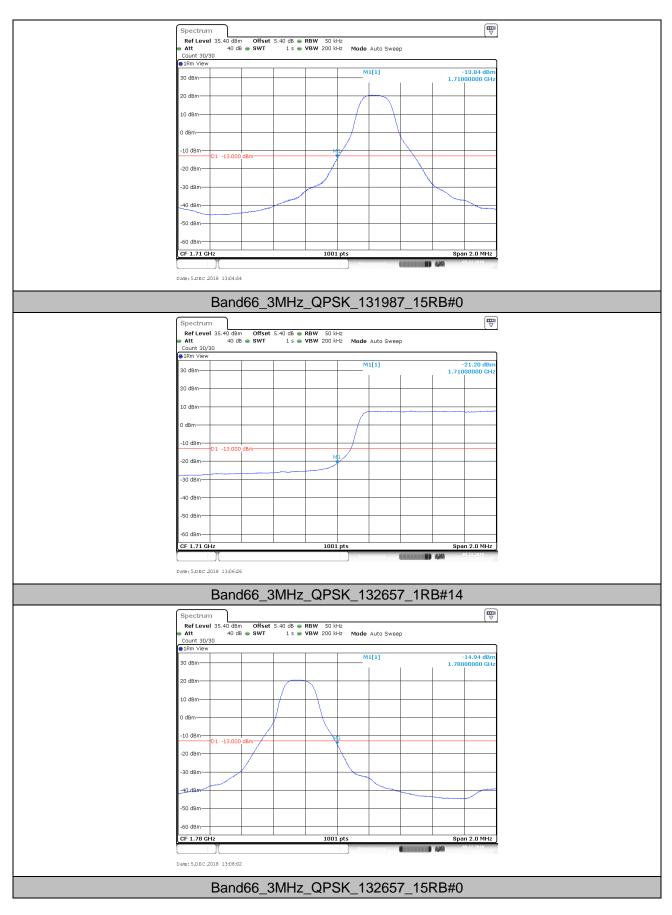


Report No.: HR/2018/A000901 Page: 31 of 54



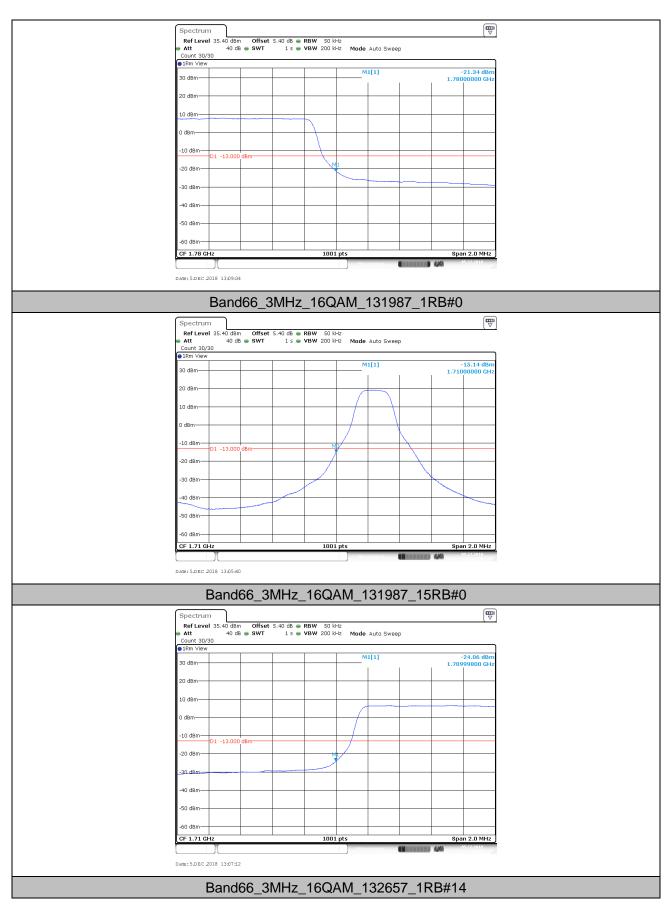


Report No.: HR/2018/A000901 Page: 32 of 54



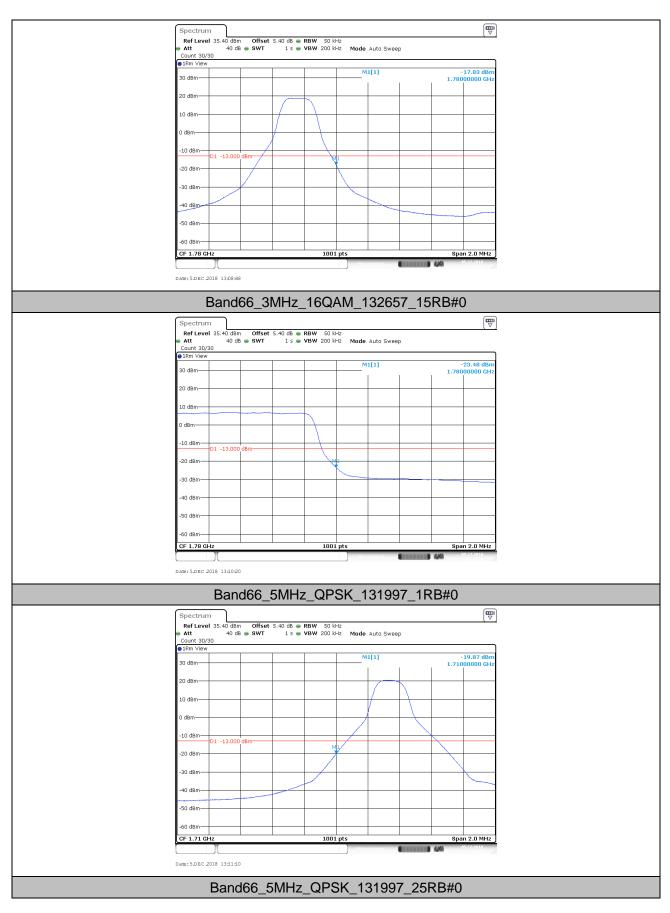


Report No.: HR/2018/A000901 Page: 33 of 54



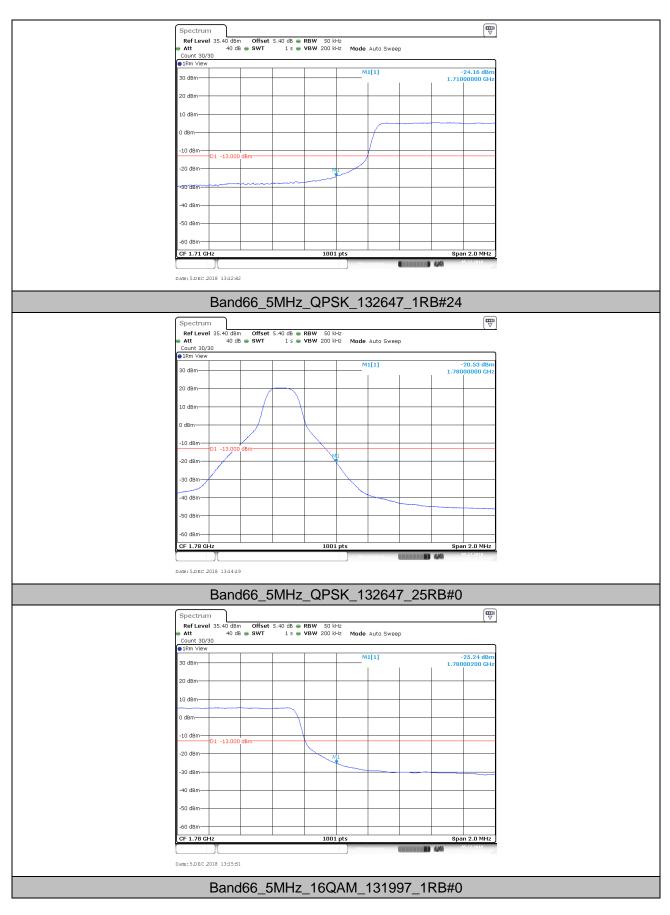


Report No.: HR/2018/A000901 Page: 34 of 54



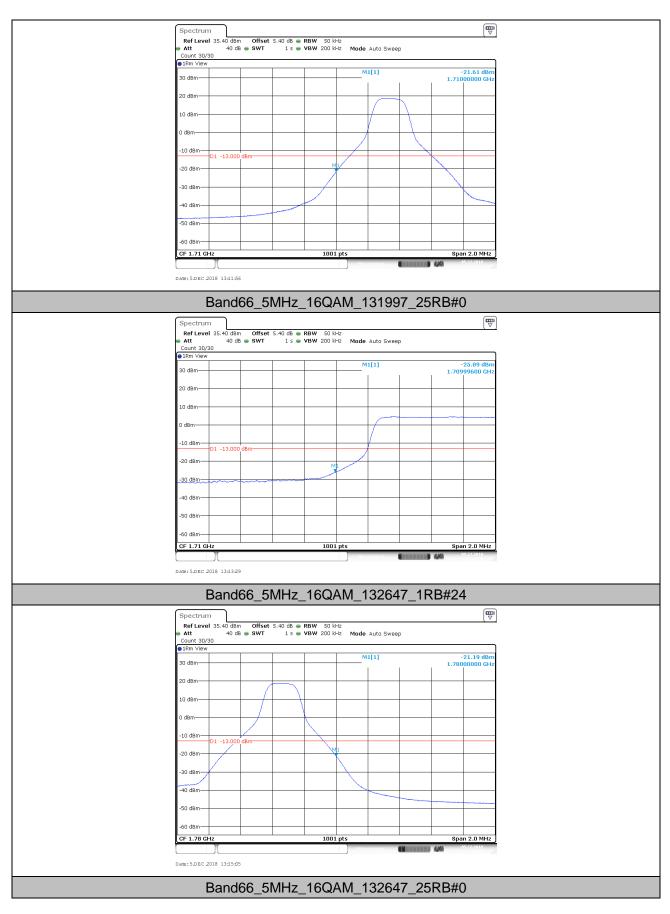


Report No.: HR/2018/A000901 Page: 35 of 54



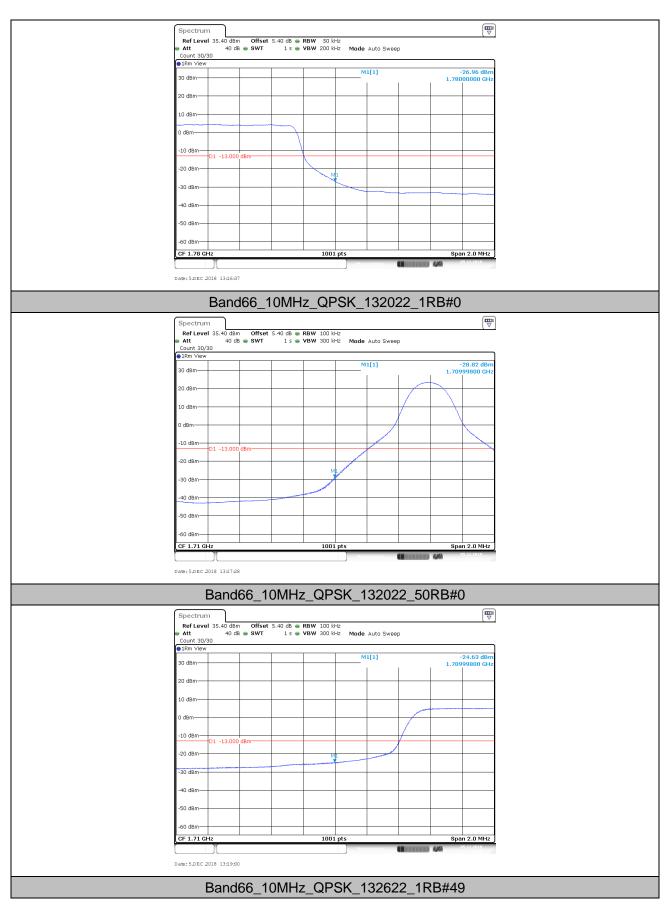


Report No.: HR/2018/A000901 Page: 36 of 54



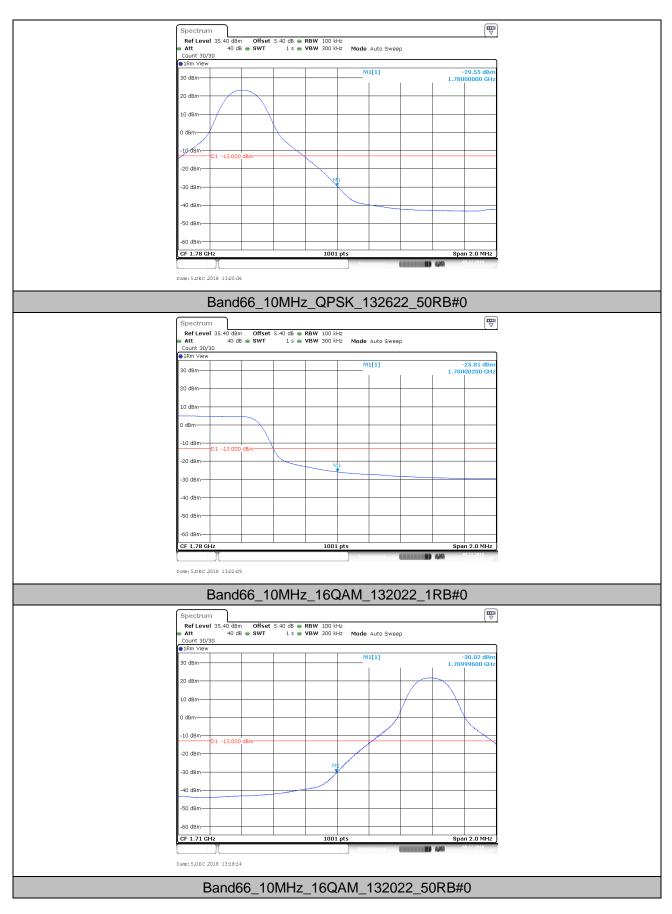


Report No.: HR/2018/A000901 Page: 37 of 54



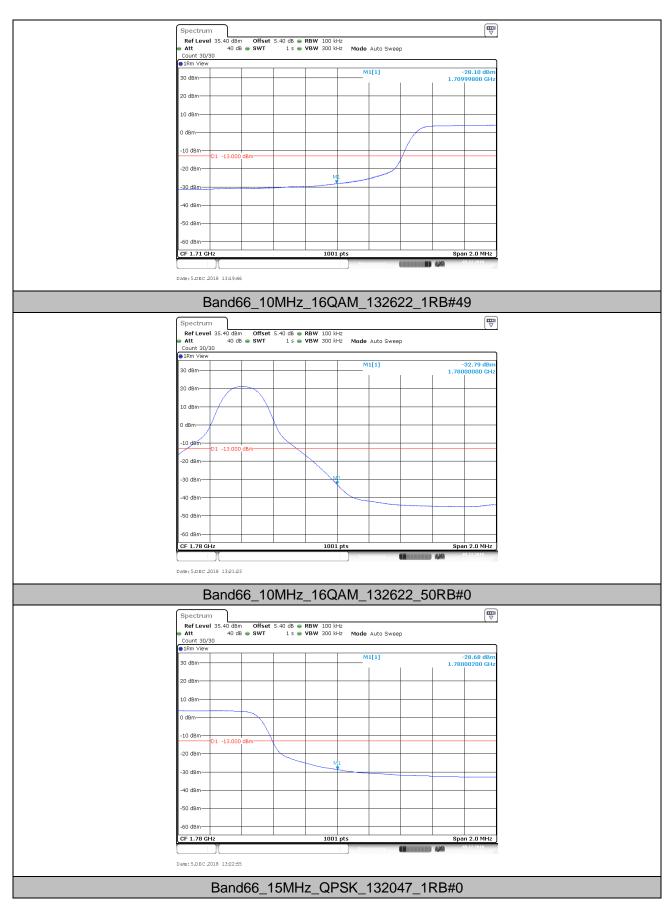


Report No.: HR/2018/A000901 Page: 38 of 54



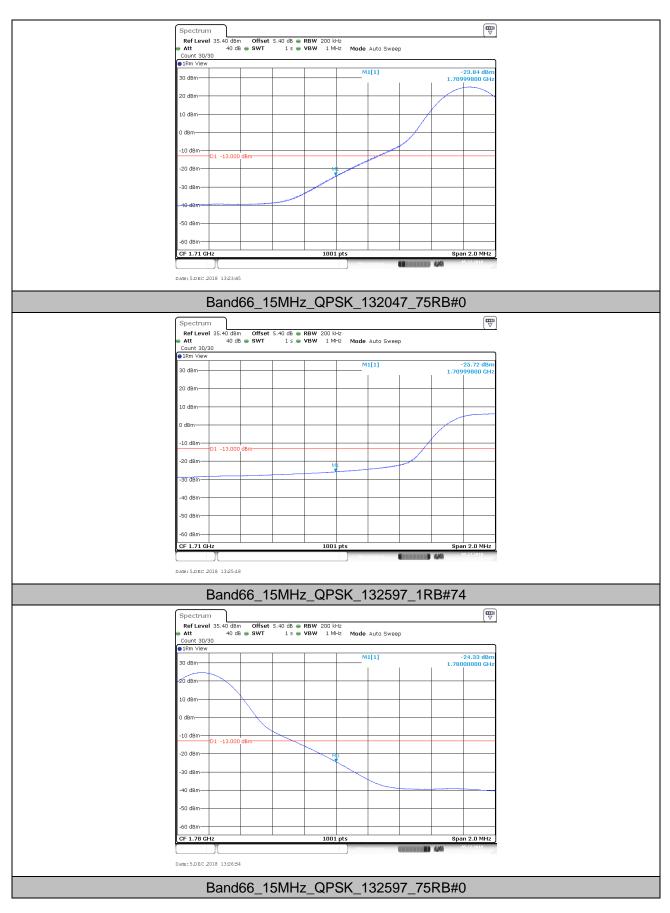


Report No.: HR/2018/A000901 Page: 39 of 54



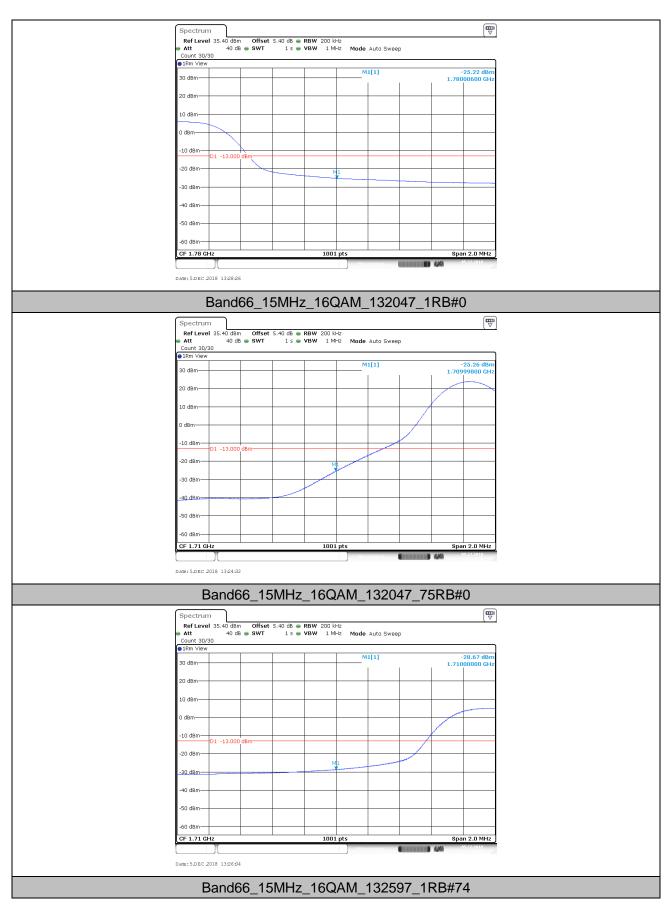


Report No.: HR/2018/A000901 Page: 40 of 54



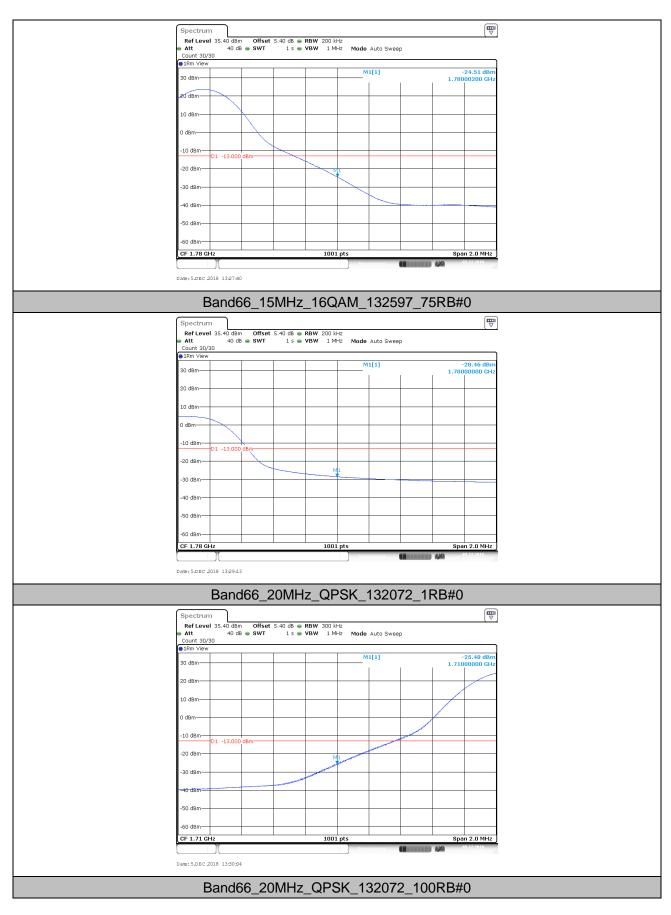


Report No.: HR/2018/A000901 Page: 41 of 54



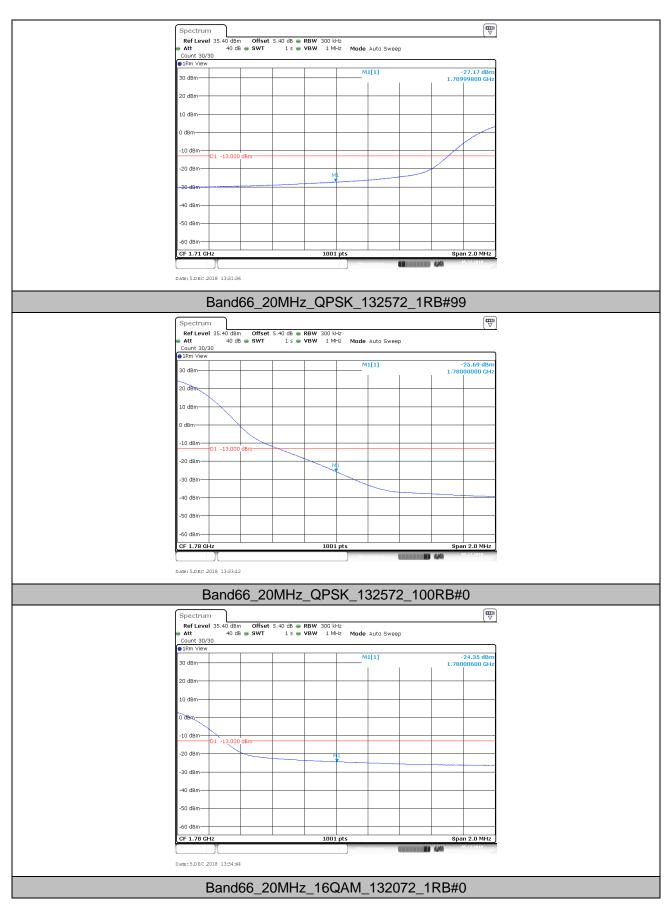


Report No.: HR/2018/A000901 Page: 42 of 54



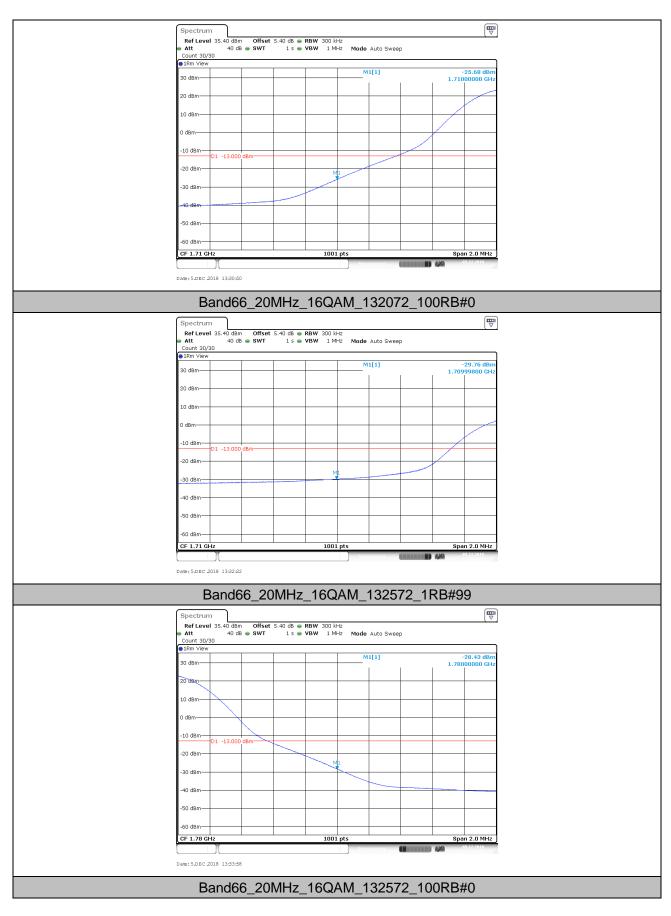


Report No.: HR/2018/A000901 Page: 43 of 54





Report No.: HR/2018/A000901 Page: 44 of 54





Report No.: HR/2018/A000901 Page: 45 of 54

Spectrum Ref Level 35.40 dBm Offset 5.40 dB	👄 RBW 300 kHz		
	👄 VBW 1 MHz 🛛 Mode Auto Sweep		
Count 30/30			
ATVILLAGM	M1[1]	-27.83 dBm	
30 dBm	mili	1.78000400 GHz	
20 dBm			
10 dBm			
0 dBm			
-10 dBm D1 -13.000 dBm			
-20 dBm			
	M1		
-30 dBm			
-40 dBm			
-50 dBm			
-60 dBm			
CF 1.78 GHz	1001 pts	Span 2.0 MHz	
	Measuring	05.12.2018	

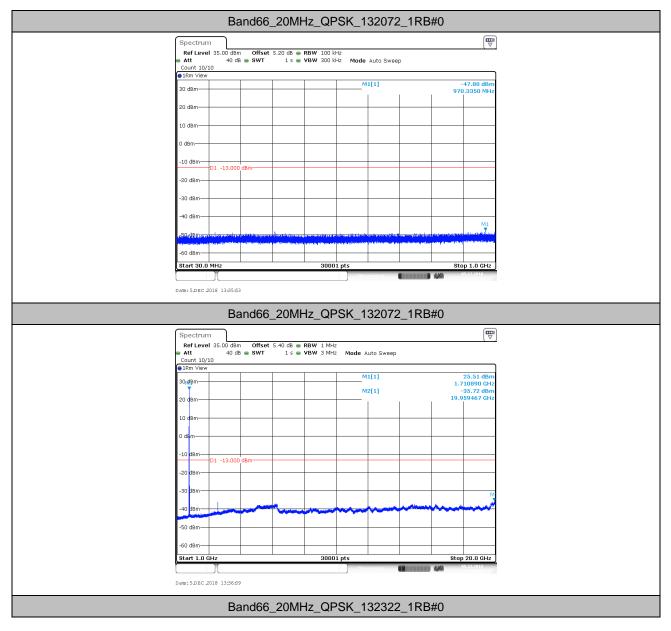
Report No.: HR/2018/A000901 Page: 46 of 54

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.

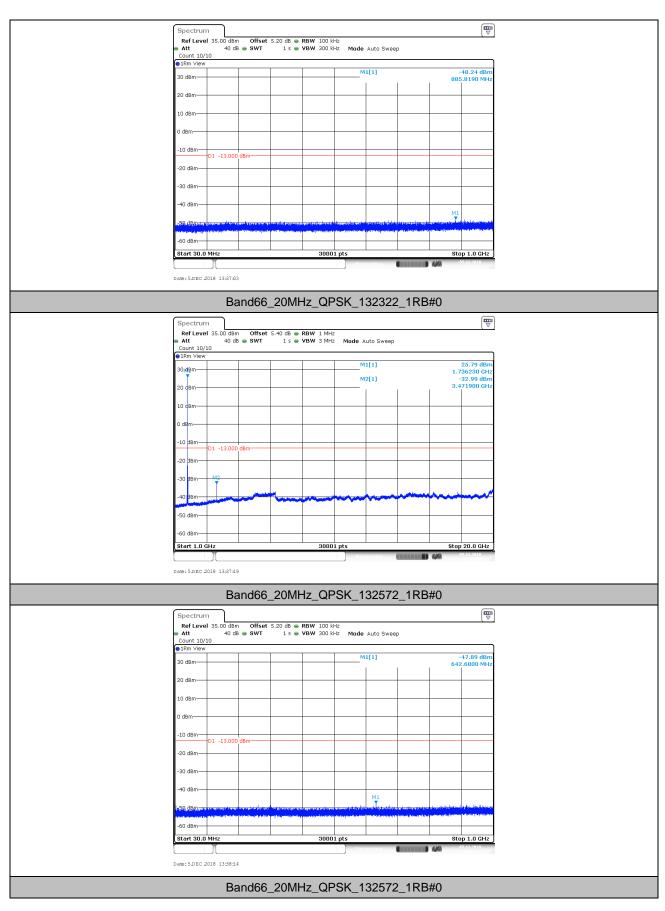
Remark2: only the worst case data displayed in this report.

6.1. Test Plots



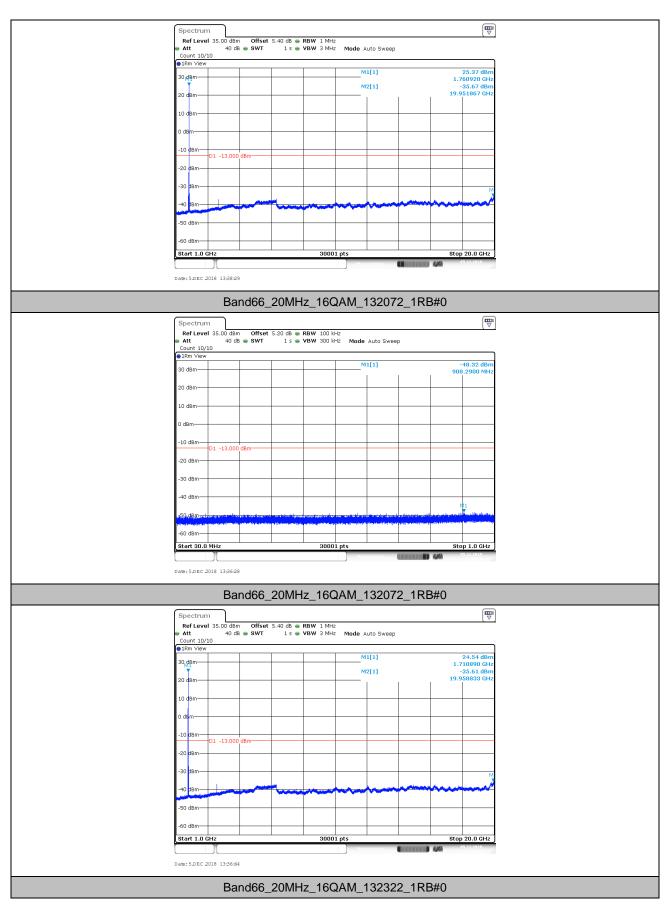


Report No.: HR/2018/A000901 Page: 47 of 54



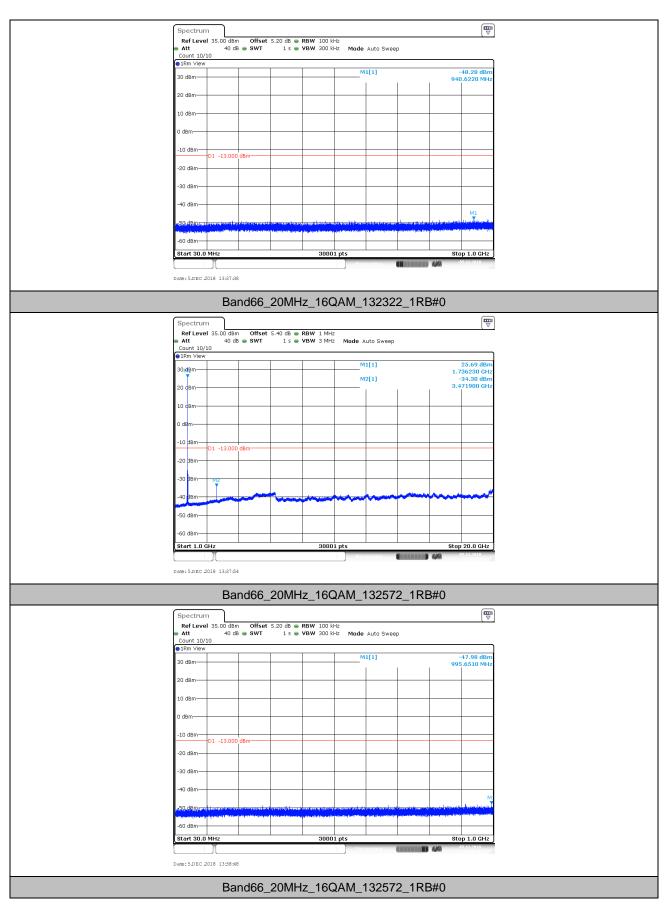


Report No.: HR/2018/A000901 Page: 48 of 54



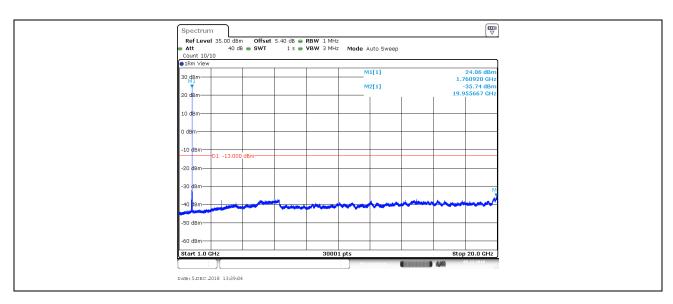


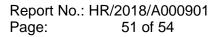
Report No.: HR/2018/A000901 Page: 49 of 54





Report No.: HR/2018/A000901 Page: 50 of 54





7. Field Strength of Spurious Radiation

7.1.Test BAND = LTE BAND 66

S

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
74.700000	-76.33	-13.00	63.33	Vertical
204.750000	-73.51	-13.00	60.51	Vertical
956.870833	-77.89	-13.00	64.89	Vertical
3421.850000	-57.73	-13.00	44.73	Vertical
5133.300000	-61.40	-13.00	48.40	Vertical
8555.550000	-63.18	-13.00	50.18	Vertical
62.550000	-77.68	-13.00	64.68	Horizontal
205.100000	-76.02	-13.00	63.02	Horizontal
958.429167	-76.97	-13.00	63.97	Horizontal
3421.850000	-61.95	-13.00	48.95	Horizontal
5133.300000	-65.74	-13.00	52.74	Horizontal
11977.475000	-59.52	-13.00	46.52	Horizontal

7.1.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
74.700000	-76.85	-13.00	63.85	Vertical
204.550000	-73.56	-13.00	60.56	Vertical
288.000000	-81.31	-13.00	68.31	Vertical
3471.900000	-52.53	-13.00	39.53	Vertical
5208.050000	-59.69	-13.00	46.69	Vertical
7851.925000	-63.97	-13.00	50.97	Vertical
63.300000	-77.24	-13.00	64.24	Horizontal
104.300000	-81.62	-13.00	68.62	Horizontal
203.550000	-77.44	-13.00	64.44	Horizontal
3471.900000	-58.47	-13.00	45.47	Horizontal
5208.050000	-64.85	-13.00	51.85	Horizontal
6944.200000	-64.13	-13.00	51.13	Horizontal

Report No.: HR/2018/A000901 Page: 52 of 54

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
73.700000	-77.61	-13.00	64.61	Vertical
204.800000	-73.12	-13.00	60.12	Vertical
288.000000	-79.60	-13.00	66.60	Vertical
3521.950000	-57.77	-13.00	44.77	Vertical
5283.125000	-61.66	-13.00	48.66	Vertical
9245.525000	-63.26	-13.00	50.26	Vertical
63.150000	-78.06	-13.00	65.06	Horizontal
74.400000	-80.27	-13.00	67.27	Horizontal
204.650000	-76.11	-13.00	63.11	Horizontal
3521.950000	-62.09	-13.00	49.09	Horizontal
5283.125000	-61.58	-13.00	48.58	Horizontal
10566.650000	-61.22	-13.00	48.22	Horizontal

7.1.1.3. Test Channel = HCH

Remark:

- 1) The disturbance above 12.75GHz and 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.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.

Report No.: HR/2018/A000901 Page: 53 of 54

8. Frequency Stability

S

8.1. Frequency Vs Voltage

	Voltage									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	VL	NT	2.50	0.001453	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VN	NT	1.50	0.000872	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	VH	NT	2.90	0.001686	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-2.20	-0.001261	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-1.40	-0.000802	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-1.00	-0.000573	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VL	NT	1.60	0.000904	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VN	NT	0.10	0.000056	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	VH	NT	0.90	0.000508	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VL	NT	2.10	0.001221	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VN	NT	2.60	0.001512	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	VH	NT	2.20	0.001279	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VL	NT	-2.20	-0.001261	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VN	NT	-2.60	-0.001490	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	VH	NT	-0.80	-0.000458	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VL	NT	2.00	0.001130	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VN	NT	0.40	0.000226	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	VH	NT	0.80	0.000452	±2.5	PASS

8.2. Frequency Vs Temperature

	Temperature									
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	20MHz	QPSK	132072	100RB#0	NV	-30	2.00	0.001163	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	-20	3.40	0.001977	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	0	3.60	0.002093	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	10	2.10	0.001221	±2.5	PASS
Band66	20MHz	QPSK	132072	100RB#0	NV	20	1.60	0.000930	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-1.40	-0.000802	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-0.40	-0.000229	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-0.30	-0.000172	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-0.70	-0.000401	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-1.70	-0.000974	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-30	1.60	0.000904	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	-20	-0.40	-0.000226	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	0	0.60	0.000339	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	10	1.90	0.001073	±2.5	PASS
Band66	20MHz	QPSK	132572	100RB#0	NV	20	2.00	0.001130	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-30	2.20	0.001279	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	-20	2.70	0.001570	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	0	1.80	0.001047	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	10	3.40	0.001977	±2.5	PASS
Band66	20MHz	16QAM	132072	100RB#0	NV	20	2.40	0.001395	±2.5	PASS

Report No.: HR/2018/A000901 Page: 54 of 54

Band66	20MHz	16QAM	132322	100RB#0	NV	-30	-3.00	-0.001719	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	-20	-1.80	-0.001032	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	0	-3.30	-0.001891	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	10	-3.30	-0.001891	±2.5	PASS
Band66	20MHz	16QAM	132322	100RB#0	NV	20	-2.10	-0.001203	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-30	1.40	0.000791	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	-20	0.60	0.000339	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	0	1.60	0.000904	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	10	0.80	0.000452	±2.5	PASS
Band66	20MHz	16QAM	132572	100RB#0	NV	20	0.70	0.000395	±2.5	PASS

The End