

High Frequency Substitution Measurement
UL Morrisville Chamber 4

Company: RFSL
Project #: 16238088
Date: 2026-03-05 – 2026-04-14
Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2502.500	n7 / 5MHz (ANT G)	RB1-1	BPSK	0.164	22.14	33.01	-10.87
2535.000		RB1-12	BPSK	0.161	22.08	33.01	-10.93
2567.500		RB1-23	BPSK	0.152	21.82	33.01	-11.19
2502.500		RB1-1	16QAM	0.132	21.21	33.01	-11.80
2535.000		RB1-12	16QAM	0.125	20.97	33.01	-12.04
2567.500		RB1-23	16QAM	0.117	20.70	33.01	-12.31
2505.000	n7 / 10MHz (ANT G)	RB1-1	BPSK	0.156	21.94	33.01	-11.07
2535.000		RB1-26	BPSK	0.164	22.16	33.01	-10.85
2565.000		RB1-50	BPSK	0.149	21.74	33.01	-11.27
2505.000		RB1-1	16QAM	0.123	20.90	33.01	-12.11
2535.000		RB1-26	16QAM	0.125	20.98	33.01	-12.03
2565.000		RB1-50	16QAM	0.115	20.62	33.01	-12.39
2507.500	n7 / 15MHz (ANT G)	RB1-1	BPSK	0.157	21.97	33.01	-11.04
2535.000		RB1-39	BPSK	0.161	22.06	33.01	-10.95
2562.500		RB1-77	BPSK	0.152	21.83	33.01	-11.18
2507.500		RB1-1	16QAM	0.122	20.88	33.01	-12.13
2535.000		RB1-39	16QAM	0.122	20.88	33.01	-12.13
2562.500		RB1-77	16QAM	0.119	20.74	33.01	-12.27
2510.000	n7 / 20MHz (ANT G)	RB1-1	BPSK	0.158	21.98	33.01	-11.03
2535.000		RB1-53	BPSK	0.161	22.07	33.01	-10.94
2560.000		RB1-104	BPSK	0.154	21.88	33.01	-11.13
2510.000		RB1-1	16QAM	0.122	20.88	33.01	-12.13
2535.000		RB1-53	16QAM	0.123	20.89	33.01	-12.12
2560.000		RB1-104	16QAM	0.116	20.66	33.01	-12.35
2512.500	n7 / 25MHz (ANT G)	RB1-1	BPSK	0.161	22.07	33.01	-10.94
2535.000		RB1-66	BPSK	0.166	22.21	33.01	-10.80
2557.500		RB1-131	BPSK	0.151	21.80	33.01	-11.21
2512.500		RB1-1	16QAM	0.122	20.87	33.01	-12.14
2535.000		RB1-66	16QAM	0.128	21.06	33.01	-11.95

2557.500		RB1-131	16QAM	0.115	20.62	33.01	-12.39	
2515.000	n7 / 30MHz (ANT G)	RB1-1	BPSK	0.164	22.14	33.01	-10.87	
2535.000		RB1-80	BPSK	0.157	21.97	33.01	-11.04	
2555.000		RB1-158	BPSK	0.146	21.65	33.01	-11.36	
2515.000		RB1-1	16QAM	0.131	21.16	33.01	-11.85	
2535.000		RB1-80	16QAM	0.125	20.97	33.01	-12.04	
2555.000		RB1-158	16QAM	0.113	20.53	33.01	-12.48	
2517.500		n7 / 35MHz (ANT G)	RB1-1	BPSK	0.155	21.91	33.01	-11.10
2535.000	RB1-94		BPSK	0.166	22.19	33.01	-10.82	
2552.500	RB1-186		BPSK	0.149	21.73	33.01	-11.28	
2517.500	RB1-1		16QAM	0.125	20.98	33.01	-12.03	
2535.000	RB1-94		16QAM	0.125	20.97	33.01	-12.04	
2552.500	RB1-186		16QAM	0.116	20.65	33.01	-12.36	
2520.000	n7 / 40 MHz (ANT G)	RB1-1	BPSK	0.160	22.03	33.01	-10.98	
2535.000		RB1-108	BPSK	0.162	22.09	33.01	-10.92	
2550.000		RB1-214	BPSK	0.148	21.69	33.01	-11.32	
2520.000		RB1-1	16QAM	0.128	21.07	33.01	-11.94	
2535.000		RB1-108	16QAM	0.074	18.71	33.01	-14.30	
2550.000		RB1-214	16QAM	0.114	20.57	33.01	-12.44	
2525.000	n7 / 50 MHz (ANT G)	RB1-1	BPSK	0.166	22.20	33.01	-10.81	
2535.000		RB1-135	BPSK	0.095	19.77	33.01	-13.24	
2545.000		RB1-268	BPSK	0.156	21.94	33.01	-11.07	
2525.000		RB1-1	16QAM	0.127	21.05	33.01	-11.96	
2535.000		RB1-135	16QAM	0.076	18.82	33.01	-14.19	
2545.000		RB1-268	16QAM	0.120	20.80	33.01	-12.21	
CONFIG 1, BPSK/16QAM								

9.1.3. LTE BAND 41(38) FCC

High Frequency Substitution Measurement

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Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2498.500	LTE B41/38 5 MHz FCC (ANT B)	RB1-0	QPSK	0.075	18.75	33.01	-14.26
2593.000		RB1-12	QPSK	0.071	18.50	33.01	-14.51
2687.500		RB1-24	QPSK	0.070	18.45	33.01	-14.56
2498.500		RB1-0	16QAM	0.060	17.78	33.01	-15.23
2593.000		RB1-12	16QAM	0.058	17.65	33.01	-15.36
2687.500		RB1-24	16QAM	0.055	17.40	33.01	-15.61
2501.000	LTE B41/38 10 MHz FCC (ANT B)	RB1-0	QPSK	0.066	18.18	33.01	-14.83
2593.000		RB1-25	QPSK	0.068	18.30	33.01	-14.71
2685.000		RB1-49	QPSK	0.067	18.25	33.01	-14.76
2501.000		RB1-0	16QAM	0.053	17.24	33.01	-15.77
2593.000		RB1-25	16QAM	0.057	17.53	33.01	-15.48
2685.000		RB1-49	16QAM	0.056	17.52	33.01	-15.49
2503.500	LTE B41/38 15 MHz FCC (ANT B)	RB1-0	QPSK	0.070	18.43	33.01	-14.58
2593.000		RB1-37	QPSK	0.071	18.50	33.01	-14.51
2682.500		RB1-74	QPSK	0.072	18.55	33.01	-14.46
2503.500		RB1-0	16QAM	0.058	17.64	33.01	-15.37
2593.000		RB1-37	16QAM	0.056	17.50	33.01	-15.51
2682.500		RB1-74	16QAM	0.056	17.48	33.01	-15.53
2506.000	LTE41(38)/20MHz FCC (ANT B)	RB1-0	QPSK	0.064	18.08	33.01	-14.93
2593.000		RB1-49	QPSK	0.072	18.60	33.01	-14.41
2680.000		RB1-99	QPSK	0.059	17.69	33.01	-15.32
2506.000		RB1-0	16QAM	0.054	17.29	33.01	-15.72
2593.000		RB1-49	16QAM	0.058	17.64	33.01	-15.37
2680.000		RB1-99	16QAM	0.052	17.20	33.01	-15.81

CONFIG 0, QPSK/16QAM

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2498.500	LTE B41/38 5 MHz FCC (ANT G)	RB1-0	QPSK	0.113	20.54	33.01	-12.47
2593.000		RB1-12	QPSK	0.101	20.03	33.01	-12.98
2687.500		RB1-24	QPSK	0.104	20.15	33.01	-12.86
2498.500		RB1-0	16QAM	0.093	19.67	33.01	-13.34
2593.000		RB1-12	16QAM	0.088	19.42	33.01	-13.59
2687.500		RB1-24	16QAM	0.086	19.34	33.01	-13.67
2501.000	LTE B41/38 10 MHz FCC (ANT G)	RB1-0	QPSK	0.111	20.44	33.01	-12.57
2593.000		RB1-25	QPSK	0.100	19.98	33.01	-13.03
2685.000		RB1-49	QPSK	0.104	20.17	33.01	-12.84
2501.000		RB1-0	16QAM	0.109	20.38	33.01	-12.63
2593.000		RB1-25	16QAM	0.085	19.28	33.01	-13.73
2685.000		RB1-49	16QAM	0.086	19.35	33.01	-13.66
2503.500	LTE B41/38 15 MHz FCC (ANT G)	RB1-0	QPSK	0.110	20.41	33.01	-12.60
2593.000		RB1-37	QPSK	0.101	20.04	33.01	-12.97
2682.500		RB1-74	QPSK	0.102	20.08	33.01	-12.93
2503.500		RB1-0	16QAM	0.093	19.67	33.01	-13.34
2593.000		RB1-37	16QAM	0.086	19.33	33.01	-13.68
2682.500		RB1-74	16QAM	0.086	19.36	33.01	-13.65
2506.000	LTE41(38)/20MHz FCC (ANT G)	RB1-0	QPSK	0.073	18.64	33.01	-14.37
2593.000		RB1-49	QPSK	0.070	18.48	33.01	-14.53
2680.000		RB1-99	QPSK	0.101	20.04	33.01	-12.97
2506.000		RB1-0	16QAM	0.063	18.01	33.01	-15.00
2593.000		RB1-49	16QAM	0.060	17.78	33.01	-15.23
2680.000		RB1-99	16QAM	0.089	19.49	33.01	-13.52

CONFIG 1, QPSK/16QAM

9.1.4. LTE BAND 41(38) IC

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2502.500	LTE B41/38 5 MHz IC (ANT B)	RB1-0	QPSK	0.085	19.28	33.01	-13.73
2595.000		RB1-12	QPSK	0.087	19.40	33.01	-13.61
2687.500		RB1-24	QPSK	0.077	18.84	33.01	-14.17
2502.500		RB1-0	16QAM	0.073	18.65	33.01	-14.36
2595.000		RB1-12	16QAM	0.078	18.90	33.01	-14.11
2687.500		RB1-24	16QAM	0.067	18.25	33.01	-14.76
2505.000	LTE B41/38 10 MHz IC (ANT B)	RB1-0	QPSK	0.088	19.44	33.01	-13.57
2595.000		RB1-25	QPSK	0.085	19.29	33.01	-13.72
2685.000		RB1-49	QPSK	0.073	18.64	33.01	-14.37
2505.000		RB1-0	16QAM	0.089	19.47	33.01	-13.54
2595.000		RB1-25	16QAM	0.072	18.57	33.01	-14.44
2685.000		RB1-49	16QAM	0.069	18.37	33.01	-14.64
2507.500	LTE B41/38 15 MHz IC (ANT B)	RB1-0	QPSK	0.072	18.55	33.01	-14.46
2595.000		RB1-37	QPSK	0.085	19.28	33.01	-13.73
2682.500		RB1-74	QPSK	0.078	18.95	33.01	-14.06
2507.500		RB1-0	16QAM	0.062	17.89	33.01	-15.12
2595.000		RB1-37	16QAM	0.075	18.73	33.01	-14.28
2682.500		RB1-74	16QAM	0.068	18.33	33.01	-14.68
2510.000	LTE41(38)/20MHz IC (ANT B)	RB1-0	QPSK	0.069	18.36	33.01	-14.65
2595.000		RB1-49	QPSK	0.085	19.29	33.01	-13.72
2680.000		RB1-99	QPSK	0.073	18.65	33.01	-14.36
2510.000		RB1-0	16QAM	0.058	17.60	33.01	-15.41
2595.000		RB1-49	16QAM	0.071	18.49	33.01	-14.52
2680.000		RB1-99	16QAM	0.062	17.93	33.01	-15.08

CONFIG 0, QPSK/16QAM

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2502.500	LTE B41/38 5 MHz IC (ANT G)	RB1-0	QPSK	0.119	20.77	33.01	-12.24
2595.000		RB1-12	QPSK	0.168	22.24	33.01	-10.77
2687.500		RB1-24	QPSK	0.174	22.41	33.01	-10.60
2502.500		RB1-0	16QAM	0.098	19.93	33.01	-13.08
2595.000		RB1-12	16QAM	0.134	21.28	33.01	-11.73
2687.500		RB1-24	16QAM	0.141	21.50	33.01	-11.51
2505.000	LTE B41/38 10 MHz IC (ANT G)	RB1-0	QPSK	0.119	20.76	33.01	-12.25
2595.000		RB1-25	QPSK	0.168	22.24	33.01	-10.77
2685.000		RB1-49	QPSK	0.172	22.36	33.01	-10.65
2505.000		RB1-0	16QAM	0.101	20.05	33.01	-12.96
2595.000		RB1-25	16QAM	0.139	21.42	33.01	-11.59
2685.000		RB1-49	16QAM	0.137	21.37	33.01	-11.64
2507.500	LTE B41/38 15 MHz IC (ANT G)	RB1-0	QPSK	0.114	20.57	33.01	-12.44
2595.000		RB1-37	QPSK	0.167	22.23	33.01	-10.78
2682.500		RB1-74	QPSK	0.172	22.35	33.01	-10.66
2507.500		RB1-0	16QAM	0.097	19.85	33.01	-13.16
2595.000		RB1-37	16QAM	0.138	21.40	33.01	-11.61
2682.500		RB1-74	16QAM	0.138	21.41	33.01	-11.60
2510.000	LTE41(38)/20MHz IC (ANT G)	RB1-0	QPSK	0.130	21.13	33.01	-11.88
2595.000		RB1-49	QPSK	0.095	19.77	33.01	-13.24
2680.000		RB1-99	QPSK	0.171	22.32	33.01	-10.69
2510.000		RB1-0	16QAM	0.104	20.19	33.01	-12.82
2595.000		RB1-49	16QAM	0.081	19.11	33.01	-13.90
2680.000		RB1-99	16QAM	0.135	21.30	33.01	-11.71

CONFIG 1, QPSK/16QAM

9.1.5. 5G NR n41(38) FCC IC

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Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2501.010	n41(38) / 10 MHz (ANT G)	RB1-1	BPSK	0.160	22.05	33.01	-10.96
2505.000		RB1-1	BPSK	0.159	22.01	33.01	-11.00
2595.000		RB1-12	BPSK	0.168	22.26	33.01	-10.75
2592.990		RB1-12	BPSK	0.169	22.28	33.01	-10.73
2685.000		RB1-22	BPSK	0.196	22.93	33.01	-10.08
2501.010		RB1-1	16QAM	0.177	22.48	33.01	-10.53
2505.000		RB1-1	16QAM	0.154	21.87	33.01	-11.14
2595.000		RB1-12	16QAM	0.147	21.68	33.01	-11.33
2592.990		RB1-12	16QAM	0.151	21.79	33.01	-11.22
2685.000		RB1-22	16QAM	0.183	22.63	33.01	-10.38
2503.500	n41(38) / 15 MHz (ANT G)	RB1-1	BPSK	0.210	23.22	33.01	-9.79
2507.520		RB1-1	BPSK	0.207	23.16	33.01	-9.85
2595.000		RB1-19	BPSK	0.187	22.72	33.01	-10.29
2592.990		RB1-19	BPSK	0.192	22.84	33.01	-10.17
2682.480		RB1-36	BPSK	0.209	23.21	33.01	-9.80
2503.500		RB1-1	16QAM	0.173	22.38	33.01	-10.63
2507.520		RB1-1	16QAM	0.170	22.30	33.01	-10.71
2595.000		RB1-19	16QAM	0.157	21.95	33.01	-11.06
2592.990		RB1-19	16QAM	0.157	21.95	33.01	-11.06
2682.480		RB1-36	16QAM	0.175	22.44	33.01	-10.57
2506.020	n41(38) / 20 MHz (ANT G)	RB1-1	BPSK	0.203	23.08	33.01	-9.93
2510.010		RB1-1	BPSK	0.206	23.13	33.01	-9.88
2595.000		RB1-25	BPSK	0.188	22.75	33.01	-10.26
2592.990		RB1-25	BPSK	0.192	22.83	33.01	-10.18
2679.990		RB1-49	BPSK	0.207	23.15	33.01	-9.86
2506.020		RB1-1	16QAM	0.168	22.26	33.01	-10.75
2510.010		RB1-1	16QAM	0.169	22.27	33.01	-10.74

	2595.000		RB1-25	16QAM	0.157	21.95	33.01	-11.06
	2592.990		RB1-25	16QAM	0.155	21.89	33.01	-11.12
	2679.990		RB1-49	16QAM	0.174	22.40	33.01	-10.61
	2508.510	n41(38) / 25 MHz (ANT G)	RB1-1	BPSK	0.208	23.19	33.01	-9.82
	2512.500		RB1-1	BPSK	0.209	23.20	33.01	-9.81
	2595.000		RB1-32	BPSK	0.196	22.92	33.01	-10.09
	2592.990		RB1-32	BPSK	0.198	22.97	33.01	-10.04
	2677.500		RB1-63	BPSK	0.204	23.09	33.01	-9.92
	2508.510		RB1-1	16QAM	0.173	22.39	33.01	-10.62
	2512.500		RB1-1	16QAM	0.170	22.31	33.01	-10.70
	2595.000		RB1-32	16QAM	0.159	22.02	33.01	-10.99
	2592.990		RB1-32	16QAM	0.158	21.98	33.01	-11.03
	2677.500		RB1-63	16QAM	0.175	22.44	33.01	-10.57
	2511.000	n41(38) / 30 MHz (ANT G)	RB1-1	BPSK	0.209	23.21	33.01	-9.80
	2515.020		RB1-1	BPSK	0.206	23.14	33.01	-9.87
	2595.000		RB1-39	BPSK	0.192	22.83	33.01	-10.18
	2592.990		RB1-39	BPSK	0.195	22.91	33.01	-10.10
	2674.980		RB1-76	BPSK	0.210	23.22	33.01	-9.79
	2511.000		RB1-1	16QAM	0.174	22.41	33.01	-10.60
	2515.020		RB1-1	16QAM	0.175	22.43	33.01	-10.58
	2595.000		RB1-39	16QAM	0.159	22.01	33.01	-11.00
	2592.990		RB1-39	16QAM	0.163	22.12	33.01	-10.89
	2674.980		RB1-76	16QAM	0.177	22.49	33.01	-10.52
	2513.520	n41(38) / 35 MHz (ANT G)	RB1-1	BPSK	0.204	23.09	33.01	-9.92
	2517.510		RB1-1	BPSK	0.201	23.03	33.01	-9.98
	2595.000		RB1-46	BPSK	0.195	22.91	33.01	-10.10
	2592.990		RB1-46	BPSK	0.200	23.00	33.01	-10.01
	2672.460		RB1-90	BPSK	0.208	23.19	33.01	-9.82
	2513.520		RB1-1	16QAM	0.170	22.31	33.01	-10.70
	2517.510		RB1-1	16QAM	0.167	22.22	33.01	-10.79
	2595.000		RB1-46	16QAM	0.157	21.95	33.01	-11.06
	2592.990		RB1-46	16QAM	0.159	22.02	33.01	-10.99
	2672.460		RB1-90	16QAM	0.177	22.48	33.01	-10.53
	2516.010	n41(38) / 40 MHz (ANT G)	RB1-1	BPSK	0.196	22.93	33.01	-10.08
	2520.000		RB1-1	BPSK	0.195	22.90	33.01	-10.11
	2595.000		RB1-53	BPSK	0.191	22.82	33.01	-10.19
	2592.990		RB1-53	BPSK	0.195	22.91	33.01	-10.10
	2670.000		RB1-104	BPSK	0.199	22.99	33.01	-10.02
	2516.010		RB1-1	16QAM	0.164	22.16	33.01	-10.85

	2520.000		RB1-1	16QAM	0.162	22.09	33.01	-10.92
	2595.000		RB1-53	16QAM	0.157	21.96	33.01	-11.05
	2592.990		RB1-53	16QAM	0.157	21.96	33.01	-11.05
	2670.000		RB1-104	16QAM	0.173	22.39	33.01	-10.62
	2518.500	n41(38) / 45 MHz (ANT G)	RB1-1	BPSK	0.205	23.11	33.01	-9.90
	2522.520		RB1-1	BPSK	0.205	23.11	33.01	-9.90
	2595.000		RB1-59	BPSK	0.193	22.85	33.01	-10.16
	2592.990		RB1-59	BPSK	0.200	23.00	33.01	-10.01
	2667.480		RB1-117	BPSK	0.207	23.15	33.01	-9.86
	2518.500		RB1-1	16QAM	0.174	22.40	33.01	-10.61
	2522.520		RB1-1	16QAM	0.171	22.34	33.01	-10.67
	2595.000		RB1-59	16QAM	0.159	22.02	33.01	-10.99
	2592.990		RB1-59	16QAM	0.163	22.11	33.01	-10.90
	2667.480		RB1-117	16QAM	0.179	22.54	33.01	-10.47
	2521.020	n41(38) / 50 MHz (ANT G)	RB1-1	BPSK	0.203	23.07	33.01	-9.94
	2525.010		RB1-1	BPSK	0.202	23.06	33.01	-9.95
	2595.000		RB1-66	BPSK	0.193	22.86	33.01	-10.15
	2592.990		RB1-66	BPSK	0.198	22.96	33.01	-10.05
	2664.990		RB1-131	BPSK	0.212	23.26	33.01	-9.75
	2521.020		RB1-1	16QAM	0.175	22.42	33.01	-10.59
	2525.010		RB1-1	16QAM	0.167	22.22	33.01	-10.79
	2595.000		RB1-66	16QAM	0.161	22.06	33.01	-10.95
	2592.990		RB1-66	16QAM	0.159	22.02	33.01	-10.99
	2664.990		RB1-131	16QAM	0.182	22.60	33.01	-10.41
	2526.000	n41(38) / 60 MHz (ANT G)	RB1-1	BPSK	0.195	22.91	33.01	-10.10
	2530.020		RB1-1	BPSK	0.191	22.80	33.01	-10.21
	2595.000		RB1-81	BPSK	0.185	22.66	33.01	-10.35
	2592.990		RB1-81	BPSK	0.185	22.68	33.01	-10.33
	2659.980		RB1-160	BPSK	0.203	23.07	33.01	-9.94
	2526.000		RB1-1	16QAM	0.166	22.19	33.01	-10.82
	2530.020		RB1-1	16QAM	0.170	22.31	33.01	-10.70
	2595.000		RB1-81	16QAM	0.155	21.89	33.01	-11.12
	2592.990		RB1-81	16QAM	0.152	21.82	33.01	-11.19
	2659.980		RB1-160	16QAM	0.173	22.38	33.01	-10.63
	2531.010	n41(38) / 70 MHz (ANT G)	RB1-1	BPSK	0.200	23.02	33.01	-9.99
	2535.000		RB1-1	BPSK	0.201	23.04	33.01	-9.97
	2595.000		RB1-94	BPSK	0.190	22.79	33.01	-10.22
	2592.990		RB1-94	BPSK	0.192	22.84	33.01	-10.17
	2655.000		RB1-187	BPSK	0.206	23.13	33.01	-9.88

	2531.010		RB1-1	16QAM	0.168	22.26	33.01	-10.75
	2535.000		RB1-1	16QAM	0.165	22.17	33.01	-10.84
	2595.000		RB1-94	16QAM	0.156	21.93	33.01	-11.08
	2592.990		RB1-94	16QAM	0.158	21.98	33.01	-11.03
	2655.000		RB1-187	16QAM	0.175	22.44	33.01	-10.57
	2536.020	n41(38) / 80 MHz (ANT G)	RB1-1	BPSK	0.249	23.96	33.01	-9.05
	2540.010		RB1-1	BPSK	0.344	25.37	33.01	-7.64
	2595.000		RB1-108	BPSK	0.215	23.33	33.01	-9.68
	2592.990		RB1-108	BPSK	0.219	23.41	33.01	-9.60
	2649.990		RB1-215	BPSK	0.226	23.54	33.01	-9.47
	2536.020		RB1-1	16QAM	0.202	23.05	33.01	-9.96
	2540.010		RB1-1	16QAM	0.208	23.18	33.01	-9.83
	2595.000		RB1-108	16QAM	0.182	22.6	33.01	-10.41
	2592.990		RB1-108	16QAM	0.180	22.56	33.01	-10.45
	2649.990		RB1-215	16QAM	0.201	23.03	33.01	-9.98
	2541.000	n41(38) / 90 MHz (ANT G)	RB1-1	BPSK	0.318	25.02	33.01	-7.99
	2545.020		RB1-1	BPSK	0.345	25.38	33.01	-7.63
	2595.000		RB1-122	BPSK	0.151	21.78	33.01	-11.23
	2592.990		RB1-122	BPSK	0.155	21.89	33.01	-11.12
	2644.980		RB1-243	BPSK	0.357	25.53	33.01	-7.48
	2541.000		RB1-1	16QAM	0.201	23.04	33.01	-9.97
	2545.020		RB1-1	16QAM	0.204	23.10	33.01	-9.91
	2595.000		RB1-122	16QAM	0.183	22.63	33.01	-10.38
	2592.990		RB1-122	16QAM	0.182	22.59	33.01	-10.42
	2644.980		RB1-243	16QAM	0.203	23.08	33.01	-9.93
	2546.010	n41(38) / 100MHz (ANT G)	RB1-1	BPSK	0.208	23.18	33.01	-9.83
	2550.000		RB1-1	BPSK	0.195	22.91	33.01	-10.10
	2592.990		RB1-135	BPSK	0.125	20.96	33.01	-12.05
	2595.000		RB1-135	BPSK	0.117	20.69	33.01	-12.32
	2640.000		RB1-272	BPSK	0.148	21.69	33.01	-11.32
	2546.010		RB1-1	16QAM	0.200	23.02	33.01	-9.99
	2550.000		RB1-1	16QAM	0.188	22.74	33.01	-10.27
	2592.990		RB1-135	16QAM	0.116	20.66	33.01	-12.35
	2595.000		RB1-135	16QAM	0.112	20.51	33.01	-12.50
	2640.000		RB1-272	16QAM	0.146	21.65	33.01	-11.36
CONFIG 0, BPSK/16QAM								

High Frequency Substitution Measurement

UL Morrisville Chamber 4

Company: RFSL
Project #: 16238088
Date: 2026-03-05 – 2026-04-14
Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2501.010	n41(38) / 10 MHz (ANT B)	RB1-1	BPSK	0.132	21.21	33.01	-11.80
2505.000		RB1-1	BPSK	0.096	19.83	33.01	-13.18
2595.000		RB1-12	BPSK	0.127	21.05	33.01	-11.96
2592.990		RB1-12	BPSK	0.131	21.18	33.01	-11.83
2685.000		RB1-22	BPSK	0.142	21.51	33.01	-11.50
2501.010		RB1-1	16QAM	0.097	19.85	33.01	-13.16
2505.000		RB1-1	16QAM	0.090	19.56	33.01	-13.45
2595.000		RB1-12	16QAM	0.075	18.75	33.01	-14.26
2592.990		RB1-12	16QAM	0.080	19.01	33.01	-14.00
2685.000		RB1-22	16QAM	0.091	19.61	33.01	-13.40
2503.500	n41(38) / 15 MHz (ANT B)	RB1-1	BPSK	0.132	21.19	33.01	-11.82
2507.520		RB1-1	BPSK	0.136	21.34	33.01	-11.67
2595.000		RB1-19	BPSK	0.124	20.95	33.01	-12.06
2592.990		RB1-19	BPSK	0.127	21.03	33.01	-11.98
2682.480		RB1-36	BPSK	0.130	21.15	33.01	-11.86
2503.500		RB1-1	16QAM	0.095	19.79	33.01	-13.22
2507.520		RB1-1	16QAM	0.097	19.89	33.01	-13.12
2595.000		RB1-19	16QAM	0.100	19.98	33.01	-13.03
2592.990		RB1-19	16QAM	0.092	19.66	33.01	-13.35
2682.480		RB1-36	16QAM	0.094	19.71	33.01	-13.30
2506.020	n41(38) / 20 MHz (ANT B)	RB1-1	BPSK	0.124	20.93	33.01	-12.08
2510.010		RB1-1	BPSK	0.135	21.30	33.01	-11.71
2595.000		RB1-25	BPSK	0.125	20.97	33.01	-12.04
2592.990		RB1-25	BPSK	0.128	21.06	33.01	-11.95
2679.990		RB1-49	BPSK	0.129	21.10	33.01	-11.91
2506.020		RB1-1	16QAM	0.092	19.66	33.01	-13.35
2510.010		RB1-1	16QAM	0.093	19.69	33.01	-13.32
2595.000		RB1-25	16QAM	0.100	20.01	33.01	-13.00
2592.990		RB1-25	16QAM	0.091	19.61	33.01	-13.40

	2679.990		RB1-49	16QAM	0.093	19.67	33.01	-13.34
	2508.510	n41(38) / 25 MHz (ANT B)	RB1-1	BPSK	0.138	21.40	33.01	-11.61
	2512.500		RB1-1	BPSK	0.139	21.43	33.01	-11.58
	2595.000		RB1-32	BPSK	0.124	20.95	33.01	-12.06
	2592.990		RB1-32	BPSK	0.128	21.08	33.01	-11.93
	2677.500		RB1-63	BPSK	0.129	21.12	33.01	-11.89
	2508.510		RB1-1	16QAM	0.097	19.88	33.01	-13.13
	2512.500		RB1-1	16QAM	0.100	20.00	33.01	-13.01
	2595.000		RB1-32	16QAM	0.098	19.92	33.01	-13.09
	2592.990		RB1-32	16QAM	0.092	19.62	33.01	-13.39
	2677.500		RB1-63	16QAM	0.094	19.71	33.01	-13.30
	2511.000	n41(38) / 30 MHz (ANT B)	RB1-1	BPSK	0.137	21.38	33.01	-11.63
	2515.020		RB1-1	BPSK	0.134	21.27	33.01	-11.74
	2595.000		RB1-39	BPSK	0.123	20.91	33.01	-12.10
	2592.990		RB1-39	BPSK	0.126	21.00	33.01	-12.01
	2674.980		RB1-76	BPSK	0.133	21.23	33.01	-11.78
	2511.000		RB1-1	16QAM	0.096	19.82	33.01	-13.19
	2515.020		RB1-1	16QAM	0.097	19.86	33.01	-13.15
	2595.000		RB1-39	16QAM	0.097	19.85	33.01	-13.16
	2592.990		RB1-39	16QAM	0.097	19.87	33.01	-13.14
	2674.980		RB1-76	16QAM	0.098	19.93	33.01	-13.08
	2513.520	n41(38) / 35 MHz (ANT B)	RB1-1	BPSK	0.135	21.30	33.01	-11.71
	2517.510		RB1-1	BPSK	0.132	21.19	33.01	-11.82
	2595.000		RB1-46	BPSK	0.125	20.97	33.01	-12.04
	2592.990		RB1-46	BPSK	0.129	21.09	33.01	-11.92
	2672.460		RB1-90	BPSK	0.130	21.13	33.01	-11.88
	2513.520		RB1-1	16QAM	0.096	19.84	33.01	-13.17
	2517.510		RB1-1	16QAM	0.096	19.82	33.01	-13.19
	2595.000		RB1-46	16QAM	0.096	19.83	33.01	-13.18
	2592.990		RB1-46	16QAM	0.099	19.95	33.01	-13.06
	2672.460		RB1-90	16QAM	0.097	19.87	33.01	-13.14
	2516.010	n41(38) / 40 MHz (ANT B)	RB1-1	BPSK	0.132	21.19	33.01	-11.82
	2520.000		RB1-1	BPSK	0.131	21.18	33.01	-11.83
	2595.000		RB1-53	BPSK	0.122	20.88	33.01	-12.13
	2592.990		RB1-53	BPSK	0.126	20.99	33.01	-12.02
	2670.000		RB1-104	BPSK	0.127	21.03	33.01	-11.98
	2516.010		RB1-1	16QAM	0.094	19.74	33.01	-13.27
	2520.000		RB1-1	16QAM	0.092	19.64	33.01	-13.37
	2595.000		RB1-53	16QAM	0.097	19.85	33.01	-13.16

	2592.990		RB1-53	16QAM	0.097	19.87	33.01	-13.14
	2670.000		RB1-104	16QAM	0.096	19.82	33.01	-13.19
	2518.500	n41(38) / 45 MHz (ANT B)	RB1-1	BPSK	0.137	21.36	33.01	-11.65
	2522.520		RB1-1	BPSK	0.137	21.36	33.01	-11.65
	2595.000		RB1-59	BPSK	0.137	21.38	33.01	-11.63
	2592.990		RB1-59	BPSK	0.137	21.38	33.01	-11.63
	2667.480		RB1-117	BPSK	0.126	21.00	33.01	-12.01
	2518.500		RB1-1	16QAM	0.098	19.91	33.01	-13.10
	2522.520		RB1-1	16QAM	0.096	19.81	33.01	-13.20
	2595.000		RB1-59	16QAM	0.101	20.06	33.01	-12.95
	2592.990		RB1-59	16QAM	0.093	19.67	33.01	-13.34
	2667.480		RB1-117	16QAM	0.092	19.65	33.01	-13.36
	2521.020	n41(38) / 50 MHz (ANT B)	RB1-1	BPSK	0.136	21.35	33.01	-11.66
	2525.010		RB1-1	BPSK	0.136	21.33	33.01	-11.68
	2595.000		RB1-66	BPSK	0.126	21.00	33.01	-12.01
	2592.990		RB1-66	BPSK	0.127	21.03	33.01	-11.98
	2664.990		RB1-131	BPSK	0.132	21.20	33.01	-11.81
	2521.020		RB1-1	16QAM	0.100	20.01	33.01	-13.00
	2525.010		RB1-1	16QAM	0.095	19.80	33.01	-13.21
	2595.000		RB1-66	16QAM	0.100	20.02	33.01	-12.99
	2592.990		RB1-66	16QAM	0.091	19.61	33.01	-13.40
	2664.990		RB1-131	16QAM	0.097	19.88	33.01	-13.13
	2526.000	n41(38) / 60 MHz (ANT B)	RB1-1	BPSK	0.129	21.10	33.01	-11.91
	2530.020		RB1-1	BPSK	0.129	21.12	33.01	-11.89
	2595.000		RB1-81	BPSK	0.130	21.15	33.01	-11.86
	2592.990		RB1-81	BPSK	0.133	21.25	33.01	-11.76
	2659.980		RB1-160	BPSK	0.127	21.05	33.01	-11.96
	2526.000		RB1-1	16QAM	0.097	19.87	33.01	-13.14
	2530.020		RB1-1	16QAM	0.097	19.87	33.01	-13.14
	2595.000		RB1-81	16QAM	0.092	19.65	33.01	-13.36
	2592.990		RB1-81	16QAM	0.099	19.94	33.01	-13.07
	2659.980		RB1-160	16QAM	0.095	19.76	33.01	-13.25
	2531.010	n41(38) / 70 MHz (ANT B)	RB1-1	BPSK	0.131	21.16	33.01	-11.85
	2535.000		RB1-1	BPSK	0.131	21.17	33.01	-11.84
	2595.000		RB1-94	BPSK	0.135	21.29	33.01	-11.72
	2592.990		RB1-94	BPSK	0.137	21.36	33.01	-11.65
	2655.000		RB1-187	BPSK	0.126	21.02	33.01	-11.99
	2531.010		RB1-1	16QAM	0.098	19.91	33.01	-13.10
	2535.000		RB1-1	16QAM	0.091	19.61	33.01	-13.40

2595.000		RB1-94	16QAM	0.099	19.97	33.01	-13.04
2592.990		RB1-94	16QAM	0.097	19.88	33.01	-13.13
2655.000		RB1-187	16QAM	0.096	19.82	33.01	-13.19
2536.020	n41(38) / 80 MHz (ANT B)	RB1-1	BPSK	0.135	21.29	33.01	-11.72
2540.010		RB1-1	BPSK	0.135	21.29	33.01	-11.72
2595.000		RB1-108	BPSK	0.122	20.87	33.01	-12.14
2592.990		RB1-108	BPSK	0.124	20.94	33.01	-12.07
2649.990		RB1-215	BPSK	0.127	21.04	33.01	-11.97
2536.020		RB1-1	16QAM	0.098	19.9	33.01	-13.11
2540.010		RB1-1	16QAM	0.097	19.89	33.01	-13.12
2595.000		RB1-108	16QAM	0.095	19.77	33.01	-13.24
2592.990		RB1-108	16QAM	0.097	19.87	33.01	-13.14
2649.990		RB1-215	16QAM	0.098	19.93	33.01	-13.08
2541.000	n41(38) / 90 MHz (ANT B)	RB1-1	BPSK	0.135	21.31	33.01	-11.70
2545.020		RB1-1	BPSK	0.137	21.36	33.01	-11.65
2595.000		RB1-122	BPSK	0.123	20.89	33.01	-12.12
2592.990		RB1-122	BPSK	0.127	21.04	33.01	-11.97
2644.980		RB1-243	BPSK	0.126	21.01	33.01	-12.00
2541.000		RB1-1	16QAM	0.099	19.94	33.01	-13.07
2545.020		RB1-1	16QAM	0.095	19.78	33.01	-13.23
2595.000		RB1-122	16QAM	0.096	19.81	33.01	-13.20
2592.990		RB1-122	16QAM	0.096	19.82	33.01	-13.19
2644.980		RB1-243	16QAM	0.094	19.75	33.01	-13.26
2546.010	n41(38) / 100MHz (ANT B)	RB1-1	BPSK	0.139	21.42	33.01	-11.59
2550.000		RB1-1	BPSK	0.128	21.07	33.01	-11.94
2592.990		RB1-135	BPSK	0.115	20.60	33.01	-12.41
2595.000		RB1-135	BPSK	0.120	20.78	33.01	-12.23
2640.000		RB1-272	BPSK	0.115	20.62	33.01	-12.39
2546.010		RB1-1	16QAM	0.102	20.10	33.01	-12.91
2550.000		RB1-1	16QAM	0.094	19.73	33.01	-13.28
2592.990		RB1-135	16QAM	0.087	19.42	33.01	-13.59
2595.000		RB1-135	16QAM	0.090	19.52	33.01	-13.49
2640.000		RB1-272	16QAM	0.095	19.76	33.01	-13.25
CONFIG 1, BPSK/16QAM							

High Frequency Substitution Measurement

UL Morrisville Chamber 4

Company: RFSL
Project #: 16238088
Date: 2026-03-05 – 2026-04-14
Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2501.010	n41(38) / 10 MHz (SRS ANT D)	RB1-1	BPSK	0.040	16.03	33.01	-16.98
2505.000		RB1-1	BPSK	0.019	12.72	33.01	-20.29
2595.000		RB1-12	BPSK	0.035	15.42	33.01	-17.59
2592.990		RB1-12	BPSK	0.034	15.30	33.01	-17.71
2685.000		RB1-22	BPSK	0.045	16.56	33.01	-16.45
2501.010		RB1-1	16QAM	0.030	14.72	33.01	-18.29
2505.000		RB1-1	16QAM	0.016	12.00	33.01	-21.01
2595.000		RB1-12	16QAM	0.028	14.54	33.01	-18.47
2592.990		RB1-12	16QAM	0.029	14.57	33.01	-18.44
2685.000		RB1-22	16QAM	0.037	15.69	33.01	-17.32
2503.500	n41(38) / 15 MHz (SRS ANT D)	RB1-1	BPSK	0.042	16.20	33.01	-16.81
2507.520		RB1-1	BPSK	0.018	12.48	33.01	-20.53
2595.000		RB1-19	BPSK	0.033	15.19	33.01	-17.82
2592.990		RB1-19	BPSK	0.039	15.94	33.01	-17.07
2682.480		RB1-36	BPSK	0.053	17.27	33.01	-15.74
2503.500		RB1-1	16QAM	0.034	15.30	33.01	-17.72
2507.520		RB1-1	16QAM	0.016	11.94	33.01	-21.07
2595.000		RB1-19	16QAM	0.029	14.62	33.01	-18.39
2592.990		RB1-19	16QAM	0.033	15.24	33.01	-17.77
2682.480		RB1-36	16QAM	0.043	16.33	33.01	-16.68
2506.020	n41(38) / 20 MHz (SRS ANT D)	RB1-1	BPSK	0.017	12.22	33.01	-20.79
2510.010		RB1-1	BPSK	0.019	12.86	33.01	-20.15
2595.000		RB1-25	BPSK	0.039	15.96	33.01	-17.05
2592.990		RB1-25	BPSK	0.039	15.87	33.01	-17.14
2679.990		RB1-49	BPSK	0.056	17.47	33.01	-15.54
2506.020		RB1-1	16QAM	0.020	13.09	33.01	-19.92
2510.010		RB1-1	16QAM	0.017	12.41	33.01	-20.60
2595.000		RB1-25	16QAM	0.035	15.41	33.01	-17.60
2592.990		RB1-25	16QAM	0.035	15.46	33.01	-17.55

	2679.990		RB1-49	16QAM	0.045	16.55	33.01	-16.46
	2508.510	n41(38) / 25 MHz (SRS ANT D)	RB1-1	BPSK	0.021	13.25	33.01	-19.76
	2512.500		RB1-1	BPSK	0.022	13.45	33.01	-19.56
	2595.000		RB1-32	BPSK	0.035	15.41	33.01	-17.60
	2592.990		RB1-32	BPSK	0.033	15.12	33.01	-17.89
	2677.500		RB1-63	BPSK	0.036	15.50	33.01	-17.51
	2508.510		RB1-1	16QAM	0.019	12.86	33.01	-20.15
	2512.500		RB1-1	16QAM	0.019	12.90	33.01	-20.11
	2595.000		RB1-32	16QAM	0.029	14.65	33.01	-18.36
	2592.990		RB1-32	16QAM	0.029	14.63	33.01	-18.38
	2677.500		RB1-63	16QAM	0.030	14.75	33.01	-18.26
	2511.000	n41(38) / 30 MHz (SRS ANT D)	RB1-1	BPSK	0.023	13.65	33.01	-19.36
	2515.020		RB1-1	BPSK	0.021	13.25	33.01	-19.76
	2595.000		RB1-39	BPSK	0.037	15.65	33.01	-17.36
	2592.990		RB1-39	BPSK	0.032	15.00	33.01	-18.01
	2674.980		RB1-76	BPSK	0.039	15.92	33.01	-17.09
	2511.000		RB1-1	16QAM	0.019	12.90	33.01	-20.11
	2515.020		RB1-1	16QAM	0.018	12.64	33.01	-20.37
	2595.000		RB1-39	16QAM	0.031	14.88	33.01	-18.13
	2592.990		RB1-39	16QAM	0.028	14.54	33.01	-18.47
	2674.980		RB1-76	16QAM	0.029	14.58	33.01	-18.44
	2513.520	n41(38) / 35 MHz (SRS ANT D)	RB1-1	BPSK	0.022	13.44	33.01	-19.57
	2517.510		RB1-1	BPSK	0.021	13.20	33.01	-19.81
	2595.000		RB1-46	BPSK	0.033	15.17	33.01	-17.84
	2592.990		RB1-46	BPSK	0.033	15.14	33.01	-17.87
	2672.460		RB1-90	BPSK	0.035	15.49	33.01	-17.52
	2513.520		RB1-1	16QAM	0.020	13.02	33.01	-19.99
	2517.510		RB1-1	16QAM	0.018	12.63	33.01	-20.38
	2595.000		RB1-46	16QAM	0.028	14.47	33.01	-18.54
	2592.990		RB1-46	16QAM	0.028	14.47	33.01	-18.54
	2672.460		RB1-90	16QAM	0.027	14.27	33.01	-18.74
	2516.010	n41(38) / 40 MHz (SRS ANT D)	RB1-1	BPSK	0.024	13.72	33.01	-19.29
	2520.000		RB1-1	BPSK	0.022	13.36	33.01	-19.65
	2595.000		RB1-53	BPSK	0.043	16.33	33.01	-16.68
	2592.990		RB1-53	BPSK	0.032	15.04	33.01	-17.97
	2670.000		RB1-104	BPSK	0.036	15.52	33.01	-17.49
	2516.010		RB1-1	16QAM	0.019	12.83	33.01	-20.18
	2520.000		RB1-1	16QAM	0.020	12.96	33.01	-20.05
	2595.000		RB1-53	16QAM	0.027	14.37	33.01	-18.64

	2592.990		RB1-53	16QAM	0.027	14.34	33.01	-18.67
	2670.000		RB1-104	16QAM	0.028	14.45	33.01	-18.56
	2518.500	n41(38) / 45 MHz (SRS ANT D)	RB1-1	BPSK	0.017	12.36	33.01	-20.65
	2522.520		RB1-1	BPSK	0.018	12.46	33.01	-20.55
	2595.000		RB1-59	BPSK	0.031	14.90	33.01	-18.11
	2592.990		RB1-59	BPSK	0.031	14.90	33.01	-18.11
	2667.480		RB1-117	BPSK	0.036	15.55	33.01	-17.46
	2518.500		RB1-1	16QAM	0.016	11.92	33.01	-21.09
	2522.520		RB1-1	16QAM	0.015	11.84	33.01	-21.17
	2595.000		RB1-59	16QAM	0.027	14.24	33.01	-18.77
	2592.990		RB1-59	16QAM	0.027	14.34	33.01	-18.67
	2667.480		RB1-117	16QAM	0.028	14.41	33.01	-18.60
	2521.020	n41(38) / 50 MHz (SRS ANT D)	RB1-1	BPSK	0.019	12.75	33.01	-20.26
	2525.010		RB1-1	BPSK	0.017	12.24	33.01	-20.77
	2595.000		RB1-66	BPSK	0.032	15.09	33.01	-17.92
	2592.990		RB1-66	BPSK	0.032	15.04	33.01	-17.97
	2664.990		RB1-131	BPSK	0.035	15.46	33.01	-17.55
	2521.020		RB1-1	16QAM	0.016	11.94	33.01	-21.07
	2525.010		RB1-1	16QAM	0.015	11.86	33.01	-21.15
	2595.000		RB1-66	16QAM	0.030	14.71	33.01	-18.30
	2592.990		RB1-66	16QAM	0.028	14.43	33.01	-18.58
	2664.990		RB1-131	16QAM	0.029	14.65	33.01	-18.36
	2526.000	n41(38) / 60 MHz (SRS ANT D)	RB1-1	BPSK	0.042	16.19	33.01	-16.82
	2530.020		RB1-1	BPSK	0.020	13.01	33.01	-20.00
	2595.000		RB1-81	BPSK	0.042	16.25	33.01	-16.76
	2592.990		RB1-81	BPSK	0.043	16.32	33.01	-16.69
	2659.980		RB1-160	BPSK	0.035	15.46	33.01	-17.56
	2526.000		RB1-1	16QAM	0.016	11.91	33.01	-21.10
	2530.020		RB1-1	16QAM	0.017	12.21	33.01	-20.80
	2595.000		RB1-81	16QAM	0.031	14.86	33.01	-18.15
	2592.990		RB1-81	16QAM	0.031	14.94	33.01	-18.08
	2659.980		RB1-160	16QAM	0.028	14.47	33.01	-18.54
	2531.010	n41(38) / 70 MHz (SRS ANT D)	RB1-1	BPSK	0.020	13.09	33.01	-19.92
	2535.000		RB1-1	BPSK	0.020	12.98	33.01	-20.03
	2595.000		RB1-94	BPSK	0.043	16.33	33.01	-16.68
	2592.990		RB1-94	BPSK	0.033	15.21	33.01	-17.80
	2655.000		RB1-187	BPSK	0.036	15.57	33.01	-17.44
	2531.010		RB1-1	16QAM	0.019	12.74	33.01	-20.27
	2535.000		RB1-1	16QAM	0.018	12.58	33.01	-20.43

2595.000		RB1-94	16QAM	0.029	14.58	33.01	-18.43
2592.990		RB1-94	16QAM	0.031	14.87	33.01	-18.14
2655.000		RB1-187	16QAM	0.028	14.47	33.01	-18.55
2536.020	n41(38) / 80 MHz (SRS ANT D)	RB1-1	BPSK	0.019	12.80	33.01	-20.21
2540.010		RB1-1	BPSK	0.018	12.52	33.01	-20.49
2595.000		RB1-108	BPSK	0.043	16.35	33.01	-16.66
2592.990		RB1-108	BPSK	0.043	16.348	33.01	-16.66
2649.990		RB1-215	BPSK	0.042	16.23	33.01	-16.78
2536.020		RB1-1	16QAM	0.017	12.33	33.01	-20.68
2540.010		RB1-1	16QAM	0.016	12.07	33.01	-20.94
2595.000		RB1-108	16QAM	0.027	14.31	33.01	-18.70
2592.990		RB1-108	16QAM	0.029	14.69	33.01	-18.32
2649.990		RB1-215	16QAM	0.029	14.664	33.01	-18.35
2541.000	n41(38) / 90 MHz (SRS ANT D)	RB1-1	BPSK	0.023	13.64	33.01	-19.37
2545.020		RB1-1	BPSK	0.019	12.70	33.01	-20.31
2595.000		RB1-122	BPSK	0.034	15.31	33.01	-17.70
2592.990		RB1-122	BPSK	0.044	16.41	33.01	-16.60
2644.980		RB1-243	BPSK	0.036	15.62	33.01	-17.39
2541.000		RB1-1	16QAM	0.018	12.60	33.01	-20.41
2545.020		RB1-1	16QAM	0.017	12.31	33.01	-20.70
2595.000		RB1-122	16QAM	0.031	14.96	33.01	-18.05
2592.990		RB1-122	16QAM	0.028	14.52	33.01	-18.49
2644.980		RB1-243	16QAM	0.029	14.61	33.01	-18.40
2546.010	n41(38) / 100MHz (SRS ANT D)	RB1-1	BPSK	0.025	14.00	33.01	-19.01
2550.000		RB1-1	BPSK	0.023	13.64	33.01	-19.37
2592.990		RB1-135	BPSK	0.041	16.16	33.01	-16.85
2595.000		RB1-135	BPSK	0.030	14.72	33.01	-18.29
2640.000		RB1-272	BPSK	0.029	14.65	33.01	-18.36
2546.010		RB1-1	16QAM	0.022	13.40	33.01	-19.61
2550.000		RB1-1	16QAM	0.016	12.03	33.01	-20.98
2592.990		RB1-135	16QAM	0.030	14.72	33.01	-18.29
2595.000		RB1-135	16QAM	0.028	14.52	33.01	-18.49
2640.000		RB1-272	16QAM	0.023	13.56	33.01	-19.45
SRS – ANT D BPSK/16QAM							

High Frequency Substitution Measurement

UL Morrisville Chamber 4

Company: RFSL
Project #: 16238088
Date: 2026-03-05 – 2026-04-14
Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2501.010	n41(38) / 10 MHz (SRS ANT H)	RB1-1	BPSK	0.005	6.93	33.01	-26.08
2505.000		RB1-1	BPSK	0.007	8.57	33.01	-24.44
2595.000		RB1-12	BPSK	0.005	6.72	33.01	-26.29
2592.990		RB1-12	BPSK	0.005	6.66	33.01	-26.35
2685.000		RB1-22	BPSK	0.002	3.53	33.01	-29.48
2501.010		RB1-1	16QAM	0.004	6.22	33.01	-26.79
2505.000		RB1-1	16QAM	0.006	7.98	33.01	-25.03
2595.000		RB1-12	16QAM	0.004	5.72	33.01	-27.29
2592.990		RB1-12	16QAM	0.004	5.93	33.01	-27.08
2685.000		RB1-22	16QAM	0.002	2.63	33.01	-30.38
2503.500	n41(38) / 15 MHz (SRS ANT H)	RB1-1	BPSK	0.006	7.91	33.01	-25.10
2507.520		RB1-1	BPSK	0.008	8.90	33.01	-24.11
2595.000		RB1-19	BPSK	0.003	4.65	33.01	-28.36
2592.990		RB1-19	BPSK	0.003	5.19	33.01	-27.82
2682.480		RB1-36	BPSK	0.002	2.78	33.01	-30.23
2503.500		RB1-1	16QAM	0.005	7.17	33.01	-25.84
2507.520		RB1-1	16QAM	0.007	8.14	33.01	-24.87
2595.000		RB1-19	16QAM	0.002	3.86	33.01	-29.15
2592.990		RB1-19	16QAM	0.003	4.42	33.01	-28.59
2682.480		RB1-36	16QAM	0.002	2.80	33.01	-30.21
2506.020	n41(38) / 20 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.35	33.01	-24.66
2510.010		RB1-1	BPSK	0.008	9.07	33.01	-23.94
2595.000		RB1-25	BPSK	0.006	8.08	33.01	-24.93
2592.990		RB1-25	BPSK	0.006	8.08	33.01	-24.93
2679.990		RB1-49	BPSK	0.003	4.63	33.01	-28.38
2506.020		RB1-1	16QAM	0.006	7.71	33.01	-25.30
2510.010		RB1-1	16QAM	0.007	8.24	33.01	-24.77
2595.000		RB1-25	16QAM	0.005	7.27	33.01	-25.74
2592.990		RB1-25	16QAM	0.005	7.33	33.01	-25.68

	2679.990		RB1-49	16QAM	0.002	3.81	33.01	-29.20
	2508.510	n41(38) / 25 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.19	33.01	-24.82
	2512.500		RB1-1	BPSK	0.008	8.97	33.01	-24.04
	2595.000		RB1-32	BPSK	0.006	7.66	33.01	-25.35
	2592.990		RB1-32	BPSK	0.006	7.98	33.01	-25.03
	2677.500		RB1-63	BPSK	0.002	3.71	33.01	-29.30
	2508.510		RB1-1	16QAM	0.006	7.43	33.01	-25.58
	2512.500		RB1-1	16QAM	0.007	8.17	33.01	-24.84
	2595.000		RB1-32	16QAM	0.005	6.81	33.01	-26.20
	2592.990		RB1-32	16QAM	0.005	7.15	33.01	-25.86
	2677.500		RB1-63	16QAM	0.002	2.96	33.01	-30.05
	2511.000	n41(38) / 30 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.47	33.01	-24.54
	2515.020		RB1-1	BPSK	0.008	8.90	33.01	-24.11
	2595.000		RB1-39	BPSK	0.006	7.71	33.01	-25.30
	2592.990		RB1-39	BPSK	0.007	8.13	33.01	-24.88
	2674.980		RB1-76	BPSK	0.002	3.52	33.01	-29.49
	2511.000		RB1-1	16QAM	0.006	7.72	33.01	-25.29
	2515.020		RB1-1	16QAM	0.006	8.05	33.01	-24.96
	2595.000		RB1-39	16QAM	0.005	6.94	33.01	-26.07
	2592.990		RB1-39	16QAM	0.005	7.36	33.01	-25.65
	2674.980		RB1-76	16QAM	0.002	2.72	33.01	-30.29
	2513.520	n41(38) / 35 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.23	33.01	-24.78
	2517.510		RB1-1	BPSK	0.007	8.31	33.01	-24.70
	2595.000		RB1-46	BPSK	0.005	7.11	33.01	-25.90
	2592.990		RB1-46	BPSK	0.007	8.14	33.01	-24.87
	2672.460		RB1-90	BPSK	0.002	3.35	33.01	-29.66
	2513.520		RB1-1	16QAM	0.006	7.47	33.01	-25.54
	2517.510		RB1-1	16QAM	0.006	7.53	33.01	-25.48
	2595.000		RB1-46	16QAM	0.004	6.26	33.01	-26.75
	2592.990		RB1-46	16QAM	0.005	7.31	33.01	-25.70
	2672.460		RB1-90	16QAM	0.002	2.52	33.01	-30.49
	2516.010	n41(38) / 40 MHz (SRS ANT H)	RB1-1	BPSK	0.006	8.09	33.01	-24.92
	2520.000		RB1-1	BPSK	0.008	8.80	33.01	-24.21
	2595.000		RB1-53	BPSK	0.007	8.19	33.01	-24.82
	2592.990		RB1-53	BPSK	0.006	7.98	33.01	-25.03
	2670.000		RB1-104	BPSK	0.002	3.55	33.01	-29.46
	2516.010		RB1-1	16QAM	0.005	7.31	33.01	-25.70
	2520.000		RB1-1	16QAM	0.006	8.07	33.01	-24.94
	2595.000		RB1-53	16QAM	0.005	7.32	33.01	-25.69

	2592.990		RB1-53	16QAM	0.005	7.23	33.01	-25.78
	2670.000		RB1-104	16QAM	0.002	2.73	33.01	-30.28
	2518.500	n41(38) / 45 MHz (SRS ANT H)	RB1-1	BPSK	0.006	8.02	33.01	-24.99
	2522.520		RB1-1	BPSK	0.008	9.20	33.01	-23.81
	2595.000		RB1-59	BPSK	0.006	7.74	33.01	-25.27
	2592.990		RB1-59	BPSK	0.006	8.09	33.01	-24.92
	2667.480		RB1-117	BPSK	0.002	3.22	33.01	-29.79
	2518.500		RB1-1	16QAM	0.005	7.23	33.01	-25.78
	2522.520		RB1-1	16QAM	0.008	8.84	33.01	-24.17
	2595.000		RB1-59	16QAM	0.005	6.82	33.01	-26.19
	2592.990		RB1-59	16QAM	0.005	7.16	33.01	-25.85
	2667.480		RB1-117	16QAM	0.002	2.39	33.01	-30.62
	2521.020	n41(38) / 50 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.28	33.01	-24.73
	2525.010		RB1-1	BPSK	0.008	9.24	33.01	-23.77
	2595.000		RB1-66	BPSK	0.005	6.54	33.01	-26.47
	2592.990		RB1-66	BPSK	0.005	7.39	33.01	-25.62
	2664.990		RB1-131	BPSK	0.007	8.28	33.01	-24.73
	2521.020		RB1-1	16QAM	0.006	7.55	33.01	-25.46
	2525.010		RB1-1	16QAM	0.007	8.52	33.01	-24.49
	2595.000		RB1-66	16QAM	0.004	5.69	33.01	-27.32
	2592.990		RB1-66	16QAM	0.004	6.53	33.01	-26.48
	2664.990		RB1-131	16QAM	0.006	7.50	33.01	-25.51
	2526.000	n41(38) / 60 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.38	33.01	-24.63
	2530.020		RB1-1	BPSK	0.009	9.48	33.01	-23.53
	2595.000		RB1-81	BPSK	0.005	7.40	33.01	-25.61
	2592.990		RB1-81	BPSK	0.006	7.55	33.01	-25.46
	2659.980		RB1-160	BPSK	0.003	4.79	33.01	-28.22
	2526.000		RB1-1	16QAM	0.006	7.61	33.01	-25.40
	2530.020		RB1-1	16QAM	0.007	8.74	33.01	-24.27
	2595.000		RB1-81	16QAM	0.005	6.80	33.01	-26.21
	2592.990		RB1-81	16QAM	0.005	6.75	33.01	-26.26
	2659.980		RB1-160	16QAM	0.002	3.90	33.01	-29.11
	2531.010	n41(38) / 70 MHz (SRS ANT H)	RB1-1	BPSK	0.008	9.21	33.01	-23.80
	2535.000		RB1-1	BPSK	0.009	9.54	33.01	-23.47
	2595.000		RB1-94	BPSK	0.006	8.12	33.01	-24.89
	2592.990		RB1-94	BPSK	0.006	7.97	33.01	-25.04
	2655.000		RB1-187	BPSK	0.003	5.35	33.01	-27.66
	2531.010		RB1-1	16QAM	0.007	8.30	33.01	-24.71
	2535.000		RB1-1	16QAM	0.007	8.55	33.01	-24.46

	2595.000		RB1-94	16QAM	0.005	7.17	33.01	-25.84
	2592.990		RB1-94	16QAM	0.005	7.37	33.01	-25.64
	2655.000		RB1-187	16QAM	0.003	4.39	33.01	-28.62
	2536.020	n41(38) / 80 MHz (SRS ANT H)	RB1-1	BPSK	0.006	7.74	33.01	-25.27
	2540.010		RB1-1	BPSK	0.008	8.78	33.01	-24.23
	2595.000		RB1-108	BPSK	0.006	7.55	33.01	-25.46
	2592.990		RB1-108	BPSK	0.006	7.87	33.01	-25.14
	2649.990		RB1-215	BPSK	0.004	5.63	33.01	-27.38
	2536.020		RB1-1	16QAM	0.005	6.98	33.01	-26.03
	2540.010		RB1-1	16QAM	0.006	8.10	33.01	-24.91
	2595.000		RB1-108	16QAM	0.005	6.73	33.01	-26.28
	2592.990		RB1-108	16QAM	0.005	7.09	33.01	-25.92
	2649.990		RB1-215	16QAM	0.003	4.54	33.01	-28.47
	2541.000	n41(38) / 90 MHz (SRS ANT H)	RB1-1	BPSK	0.007	8.34	33.01	-24.67
	2545.020		RB1-1	BPSK	0.008	8.91	33.01	-24.10
	2595.000		RB1-122	BPSK	0.006	7.56	33.01	-25.45
	2592.990		RB1-122	BPSK	0.007	8.22	33.01	-24.79
	2644.980		RB1-243	BPSK	0.003	5.32	33.01	-27.69
	2541.000		RB1-1	16QAM	0.006	7.48	33.01	-25.53
	2545.020		RB1-1	16QAM	0.006	8.04	33.01	-24.97
	2595.000		RB1-122	16QAM	0.005	6.80	33.01	-26.21
	2592.990		RB1-122	16QAM	0.005	7.30	33.01	-25.71
	2644.980		RB1-243	16QAM	0.003	4.19	33.01	-28.82
	2546.010	n41(38) / 100MHz (SRS ANT H)	RB1-1	BPSK	0.010	10.13	33.01	-22.88
	2550.000		RB1-1	BPSK	0.011	10.29	33.01	-22.72
	2592.990		RB1-135	BPSK	0.007	8.20	33.01	-24.81
	2595.000		RB1-135	BPSK	0.006	7.98	33.01	-25.03
	2640.000		RB1-272	BPSK	0.002	3.57	33.01	-29.44
	2546.010		RB1-1	16QAM	0.008	9.23	33.01	-23.78
	2550.000		RB1-1	16QAM	0.009	9.63	33.01	-23.38
	2592.990		RB1-135	16QAM	0.005	7.35	33.01	-25.66
	2595.000		RB1-135	16QAM	0.005	7.22	33.01	-25.79
	2640.000		RB1-272	16QAM	0.002	2.35	33.01	-30.66
SRS – ANT H BPSK/16QAM								

9.1.6. 5G NR n41(38) UL MIMO

High Frequency Substitution Measurement

UL Morrisville Chamber 4

Company: RFSL
Project #: 16238088
Date: 2026-04-26 TO 2026-04-28
Test Engineer: 19289

Freq (MHz)	Band/Bandwidth	RB Size-Offset	Modulation (Of EUT)	EIRP (W)	EIRP _{DUT} (dBm)	Limit (dBm)	Margin (dB)
2546.010	FR1 UL-MIMO n41 100MHz (ANT G+B)	RB1-1	BPSK	0.302	24.80	33.01	-8.21
2592.990		RB1-135	BPSK	0.255	24.06	33.01	-8.95
2640.000		RB1-272	BPSK	0.090	19.53	33.01	-13.48
2546.010		RB1-1	16QAM	0.223	23.48	33.01	-9.53
2592.990		RB1-135	16QAM	0.208	23.18	33.01	-9.83
2640.000		RB1-272	16QAM	0.081	19.10	33.01	-13.91

ANT G+B, BPSK/16QAM

9.2. FIELD STRENGTH OF SPURIOUS RADIATION

LIMITS

FCC: §27.53 (m)

At least $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

ISED: RSS199§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the tables below.

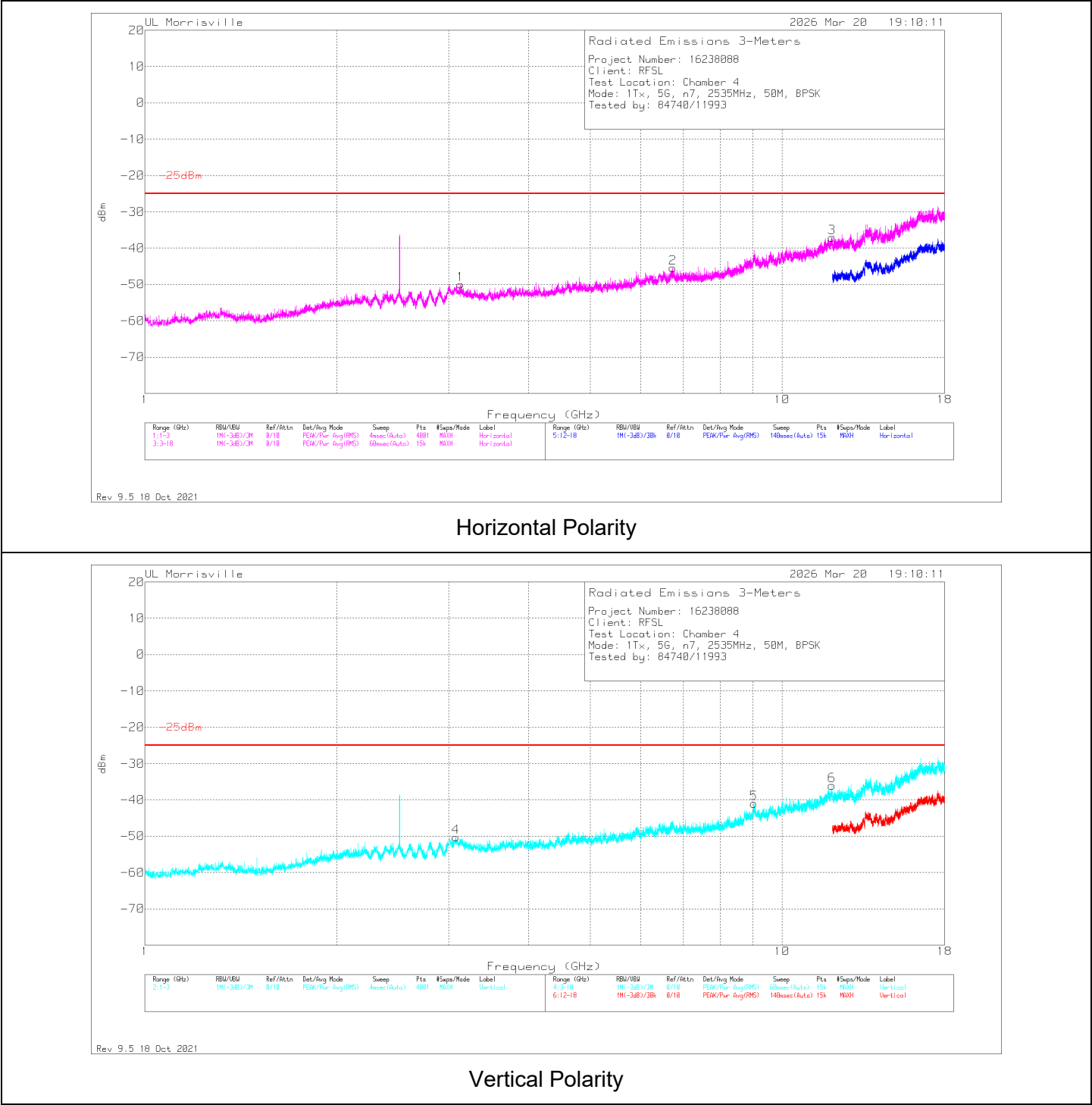
Table 5: Unwanted emission limits for subscriber equipment other than fixed subscriber equipment	
Offset from the edge of the frequency block or frequency block group (MHz)	Unwanted emission limits
0-1	-10 dBm/(2% of OB*)
1-5	-10 dBm/MHz
5-X**	-13 dBm/MHz
≥ X	-25 dBm/MHz

*OB is the occupied bandwidth

** X is 6 MHz or the equipment occupied bandwidth, whichever is greater.

In addition to complying with the limits in table 5, subscriber equipment other than fixed subscriber equipment shall not exceed -13 dBm/MHz on all frequencies between 2490.5 MHz and 2496 MHz, and -25 dBm/MHz at or below 2490.5 MHz

Example Plot



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	88761 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
4	3.076	-63.1	Pk	33	-33.9	11.8	1.9	-50.3	-25	-25.3	0-360
1	3.132	-62.97	Pk	32.9	-33.4	11.8	1.7	-49.97	-25	-24.97	0-360
2	6.742	-66.98	Pk	35.5	-26.2	11.8	.4	-45.48	-25	-20.48	0-360
5	9.035	-66.3	Pk	36	-23.3	11.8	.8	-41	-25	-16	0-360
3	11.976	-66.8	Pk	38.6	-21.6	11.8	.9	-37.1	-25	-12.1	0-360
6	11.988	-65.81	Pk	38.6	-21.5	11.8	.9	-36.01	-25	-11.01	0-360

Pk - Peak detector

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

9.2.1. LTE BAND 7

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
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Date:	2026-03-05
Test Engineer:	85501
Configuration:	EUT Only
Mode	1Tx, LTE7
Chamber #:	2

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510MHz										
6.382	-53.93	Pk	35.6	-42.2	11.8	.5	-48.23	-25	-23.23	H
6.395	-53.91	Pk	35.6	-42.6	11.8	.5	-48.61	-25	-23.61	V
10.138	-53.85	Pk	37.4	-40.5	11.8	1.6	-43.55	-25	-18.55	V
13.948	-55.87	Pk	38.6	-35.3	11.8	.7	-40.07	-25	-15.07	H
16.633	-55.85	Pk	41.3	-36	11.8	1.1	-37.65	-25	-12.65	H
17.711	-56.05	Pk	41	-34.9	11.8	1	-37.15	-25	-12.15	V
Mid Channel, 2535MHz										
6.054	-54.38	Pk	35.4	-42	11.8	.5	-48.68	-25	-23.68	V
6.318	-54.77	Pk	35.7	-42.1	11.8	.5	-48.87	-25	-23.87	H
10.104	-52.8	Pk	37.2	-40.9	11.8	1.3	-43.4	-25	-18.4	H
13.928	-56.3	Pk	38.6	-34.6	11.8	.5	-40	-25	-15	V
16.943	-56.32	Pk	41.4	-35.9	11.8	1.3	-37.72	-25	-12.72	H
17.714	-56.56	Pk	41	-34.9	11.8	1	-37.66	-25	-12.66	V
High Channel, 2560MHz										
6.148	-52.93	Pk	35.4	-42.8	11.8	.4	-48.13	-25	-23.13	H
6.592	-53.4	Pk	35.5	-42.9	11.8	.5	-48.5	-25	-23.5	V
13.714	-55.56	Pk	38.5	-35.2	11.8	.6	-39.86	-25	-14.86	V
13.921	-55.47	Pk	38.6	-35.3	11.8	.5	-39.87	-25	-14.87	H
17.573	-55.51	Pk	41	-35.8	11.8	1.1	-37.41	-25	-12.41	H
17.713	-56.6	Pk	41	-34.9	11.8	1	-37.7	-25	-12.7	V

LTE BAND 7 (QPSK 20.0MHZ BANDWIDTH, Config 1)

Project #:	16238088
Date:	2026-03-05
Test Engineer:	85501
Configuration:	EUT Only
Mode	1Tx, LTE7
Chamber #:	2

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2510MHz										
6.321	-54.39	Pk	35.7	-42.1	11.8	.5	-48.49	-25	-23.49	V
7.249	-54.8	Pk	35.7	-41.7	11.8	.4	-48.6	-25	-23.6	H
10.979	-55.87	Pk	37.9	-38.2	11.8	.8	-43.57	-25	-18.57	V
14.25	-55.72	Pk	39.1	-36.2	11.8	.8	-40.22	-25	-15.22	H
16.227	-56.37	Pk	40.8	-35.6	11.8	1.2	-38.17	-25	-13.17	V
16.845	-56.24	Pk	41.4	-35.9	11.8	1	-37.94	-25	-12.94	H
Mid Channel, 2535MHz										
6.054	-54.76	Pk	35.4	-42	11.8	.5	-49.06	-25	-24.06	H
6.061	-55.42	Pk	35.4	-41.5	11.8	.5	-49.22	-25	-24.22	V
13.917	-55.8	Pk	38.6	-35.7	11.8	.5	-40.6	-25	-15.6	H
13.93	-56.35	Pk	38.6	-34.9	11.8	.6	-40.25	-25	-15.25	V
16.358	-54.95	Pk	40.9	-37.1	11.8	1.1	-38.25	-25	-13.25	H
17.713	-56.65	Pk	41	-34.9	11.8	1	-37.75	-25	-12.75	V
High Channel, 2560MHz										
6.273	-53.55	Pk	35.6	-42.9	11.8	.5	-48.55	-25	-23.55	H
10.11	-53.92	Pk	37.2	-40	11.8	1.5	-43.42	-25	-18.42	H
12.148	-55.52	Pk	38.7	-38.8	11.8	.8	-43.02	-25	-18.02	V
13.987	-55.94	Pk	38.7	-35.4	11.8	.8	-40.04	-25	-15.04	V
17.711	-55.4	Pk	41	-34.9	11.8	1	-36.5	-25	-11.5	V
17.714	-56.41	Pk	41	-34.9	11.8	1	-37.51	-25	-12.51	H

9.2.2. 5G NR n7

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
Date:	2026-03-05
Test Engineer:	85501
Configuration:	EUT Only
Mode	1Tx, n7
Chamber #:	2

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2525MHz										
4.403	-63.61	Pk	33.7	-31.2	11.8	.2	-49.11	-25	-24.11	H
4.731	-65.19	Pk	34	-30.6	11.8	.8	-49.19	-25	-24.19	V
9.036	-66.49	Pk	36	-23.3	11.8	.8	-41.19	-25	-16.19	V
9.037	-66.44	Pk	36	-23.3	11.8	.7	-41.24	-25	-16.24	H
11.831	-66.12	Pk	38.4	-22.1	11.8	.8	-37.22	-25	-12.22	V
11.992	-66.31	Pk	38.6	-21.7	11.8	.9	-36.71	-25	-11.71	H
Mid Channel, 2535MHz										
1.118	-58.74	Pk	27.4	-35.3	11.8	.6	-54.24	-25	-29.24	V
3.766	-64.74	Pk	33.2	-31.7	11.8	.6	-50.84	-25	-25.84	H
4.707	-64.45	Pk	34.1	-30.9	11.8	.7	-48.75	-25	-23.75	V
6.737	-66.96	Pk	35.5	-26.2	11.8	.4	-45.46	-25	-20.46	H
9.09	-66.06	Pk	36	-23.9	11.8	.4	-41.76	-25	-16.76	V
11.822	-66.44	Pk	38.4	-21.8	11.8	.8	-37.24	-25	-12.24	H
High Channel, 2545MHz										
6.716	-65.24	Pk	35.5	-26.6	11.8	.5	-44.04	-25	-19.04	V
6.756	-66.64	Pk	35.5	-26.4	11.8	.4	-45.34	-25	-20.34	H
9.027	-65.8	Pk	36	-23.7	11.8	.8	-40.9	-25	-15.9	H
9.054	-67.08	Pk	36	-23.2	11.8	.7	-41.78	-25	-16.78	V
11.825	-66.21	Pk	38.4	-21.9	11.8	.8	-37.11	-25	-12.11	H
11.826	-65.97	Pk	38.4	-21.9	11.8	.8	-36.87	-25	-11.87	V

5G NR n7 (BPSK 50.0MHZ BANDWIDTH, Config 1)

Project #:	16238088
Date:	2026-03-05
Test Engineer:	85501
Configuration:	EUT Only
Mode	1Tx, n7
Chamber #:	2

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2525MHz										
3.068	-62.45	Pk	33	-34.1	11.8	1.9	-49.85	-25	-24.85	H
3.074	-63.04	Pk	33	-34	11.8	1.9	-50.34	-25	-25.34	V
6.418	-66.24	Pk	35.4	-27	11.8	.5	-45.54	-25	-20.54	H
6.715	-66.83	Pk	35.5	-26.7	11.8	.5	-45.73	-25	-20.73	V
11.99	-66.73	Pk	38.6	-21.6	11.8	.9	-37.03	-25	-12.03	V
11.991	-66.66	Pk	38.6	-21.6	11.8	.9	-36.96	-25	-11.96	H
Mid Channel, 2535MHz										
3.076	-63.1	Pk	33	-33.9	11.8	1.9	-50.3	-25	-25.3	V
3.132	-62.97	Pk	32.9	-33.4	11.8	1.7	-49.97	-25	-24.97	H
6.742	-66.98	Pk	35.5	-26.2	11.8	.4	-45.48	-25	-20.48	H
9.035	-66.3	Pk	36	-23.3	11.8	.8	-41	-25	-16	V
11.976	-66.8	Pk	38.6	-21.6	11.8	.9	-37.1	-25	-12.1	H
11.988	-65.81	Pk	38.6	-21.5	11.8	.9	-36.01	-25	-11.01	V
High Channel, 2545MHz										
3.073	-62.16	Pk	33	-34	11.8	1.9	-49.46	-25	-24.46	H
3.083	-62.6	Pk	33	-33.9	11.8	1.9	-49.8	-25	-24.8	V
6.691	-65.78	Pk	35.5	-27	11.8	.4	-45.08	-25	-20.08	H
6.737	-67.08	Pk	35.5	-26.2	11.8	.4	-45.58	-25	-20.58	V
11.951	-66.31	Pk	38.6	-22	11.8	.8	-37.11	-25	-12.11	V
11.994	-66.61	Pk	38.6	-21.7	11.8	.9	-37.01	-25	-12.01	H

9.2.3. LTE BAND 41 (FCC)

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
Date:	2026-03-31
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	1Tx, LTE41
Chamber #:	84740/11993

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2506MHz										
1909.5	-42.98	Pk	31	-49.4	11.8	1.2	-48.38	-25	-23.38	V
3123	-52.53	Pk	33.1	-45.3	11.8	1.9	-51.03	-25	-26.03	H
3349	-53.8	Pk	32.9	-45	11.8	1.1	-53	-25	-28	H
6617	-54.78	Pk	35.7	-42	11.8	.5	-48.78	-25	-23.78	V
10421	-55.16	Pk	37.6	-39.8	11.8	1.6	-43.96	-25	-18.96	H
13127	-56.13	Pk	38.6	-37.3	11.8	.5	-42.53	-25	-17.53	V
Mid Channel, 2593MHz										
6174	-53.91	Pk	35.7	-43	11.8	.5	-48.91	-25	-23.91	H
6600	-54.48	Pk	35.7	-41.8	11.8	.4	-48.38	-25	-23.38	V
12078	-57.21	Pk	39.1	-37.6	11.8	.8	-43.11	-25	-18.11	V
12080	-56.59	Pk	39.1	-37.7	11.8	.8	-42.59	-25	-17.59	H
17006	-58.48	Pk	41.3	-34.1	11.8	1	-38.48	-25	-13.48	H
17006	-56.92	Pk	41.3	-34.1	11.8	1	-36.92	-25	-11.92	V
High Channel, 2680MHz										
1909	-39.65	Pk	31	-49.5	11.8	1.2	-45.15	-25	-20.15	V
4302	-52.52	Pk	33.7	-45.3	11.8	.6	-51.72	-25	-26.72	H
4443	-52.38	Pk	33.8	-45.2	11.8	.7	-51.28	-25	-26.28	V
6768	-54.18	Pk	35.6	-42.3	11.8	.4	-48.68	-25	-23.68	H
10422	-55.87	Pk	37.6	-39.7	11.8	1.6	-44.57	-25	-19.57	V
12388	-56.11	Pk	38.8	-38	11.8	.7	-42.81	-25	-17.81	H

LTE BAND 41 (QPSK 20.0MHZ BANDWIDTH, Config 1)

Project #:	16238088
Date:	2026-03-31
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	1Tx, LTE41
Chamber #:	85501

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2506MHz										
6067	-55	Pk	35.5	-41.9	11.8	.5	-49.1	-25	-24.1	H
6155	-54.74	Pk	35.7	-42.1	11.8	.5	-48.84	-25	-23.84	V
12079	-57.14	Pk	39.1	-37.6	11.8	.8	-43.04	-25	-18.04	V
14099	-54.77	Pk	39.1	-37.7	11.8	.8	-40.77	-25	-15.77	H
16973	-56.9	Pk	41.3	-35.1	11.8	1.1	-37.8	-25	-12.8	V
17008	-57.52	Pk	41.3	-34.4	11.8	1	-37.82	-25	-12.82	H
Mid Channel, 2593MHz										
6072	-54.15	Pk	35.5	-42.3	11.8	.5	-48.65	-25	-23.65	V
6107	-54.24	Pk	35.6	-41.8	11.8	.5	-48.14	-25	-23.14	H
10265	-56.21	Pk	37.6	-39.9	11.8	1.6	-45.11	-25	-20.11	H
12250	-55.07	Pk	38.9	-38.8	11.8	.9	-42.27	-25	-17.27	V
15935	-56.34	Pk	40.5	-36.2	11.8	1.3	-38.94	-25	-13.94	V
17006	-57.72	Pk	41.3	-34.1	11.8	1	-37.72	-25	-12.72	H
High Channel, 2680MHz										
6126	-54.7	Pk	35.6	-42.2	11.8	.6	-48.9	-25	-23.9	V
6323	-55.66	Pk	35.7	-41.5	11.8	.5	-49.16	-25	-24.16	H
12071	-56.83	Pk	39.1	-37.6	11.8	.7	-42.83	-25	-17.83	V
14386	-55.33	Pk	39.2	-37.8	11.8	.8	-41.33	-25	-16.33	H
16940	-57.16	Pk	41.3	-35.6	11.8	1.3	-38.36	-25	-13.36	H
16965	-57.52	Pk	41.3	-35.4	11.8	1.2	-38.62	-25	-13.62	V

9.2.4. 5G NR n41 (FCC)

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, Config 0)

Project #:	16238088
Date:	2026-03-31
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	5G NR n41 BPSK 100MHz
Chamber #:	85501

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2546MHz										
4.991	-63.56	Pk	33.9	-31.2	11.8	.8	-48.26	-25	-23.26	H
5.378	-65.13	Pk	34.4	-29.8	11.8	.5	-48.23	-25	-23.23	V
7.158	-66.57	Pk	35.5	-27.3	11.8	.4	-46.17	-25	-21.17	H
9.049	-67.08	Pk	36	-23.3	11.8	.7	-41.88	-25	-16.88	V
13.527	-64.92	Pk	38.6	-20.8	11.8	.6	-34.72	-25	-9.72	H
15.392	-67.53	Pk	39.9	-17.5	11.8	.9	-32.43	-25	-7.43	V
Mid Channel, 2593MHz										
5.159	-65.47	Pk	34.1	-30.1	11.8	.7	-48.97	-25	-23.97	H
5.225	-65.13	Pk	34.3	-30.4	11.8	.4	-49.03	-25	-24.03	V
9.053	-65.69	Pk	36	-23.2	11.8	.7	-40.39	-25	-15.39	H
9.056	-66.89	Pk	36	-23.2	11.8	.7	-41.59	-25	-16.59	V
13.552	-65.04	Pk	38.6	-20.9	11.8	.7	-34.84	-25	-9.84	V
13.642	-64.55	Pk	38.5	-20.8	11.8	.5	-34.55	-25	-9.55	H
High Channel, 2640MHz										
3.883	-64.39	Pk	33.4	-32.2	11.8	.6	-50.79	-25	-25.79	H
3.915	-63.81	Pk	33.4	-31.7	11.8	.5	-49.81	-25	-24.81	V
6.741	-67.58	Pk	35.5	-26.2	11.8	.4	-46.08	-25	-21.08	H
6.749	-67.51	Pk	35.5	-26.2	11.8	.4	-46.01	-25	-21.01	V
10.143	-66.73	Pk	37.3	-24.4	11.8	1.6	-40.43	-25	-15.43	V
10.152	-65.82	Pk	37.3	-24.4	11.8	1.6	-39.52	-25	-14.52	H

5G NR n41 (BPSK 100.0MHZ BANDWIDTH, Config 1)

Project #:	16238088
Date:	2026-03-31
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	5G NR n41 BPSK 100MHz
Chamber #:	85501

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2546MHz										
6.701	-66.55	Pk	35.5	-26.7	11.8	.4	-45.55	-25	-20.55	V
6.702	-66.2	Pk	35.5	-26.7	11.8	.4	-45.2	-25	-20.2	H
9.032	-67.31	Pk	36	-23.4	11.8	.8	-42.11	-25	-17.11	V
9.055	-66.62	Pk	36	-23.2	11.8	.7	-41.32	-25	-16.32	H
11.814	-65.29	Pk	38.4	-21.8	11.8	.8	-36.09	-25	-11.09	V
11.944	-66.46	Pk	38.6	-21.7	11.8	.8	-36.96	-25	-11.96	H
Mid Channel, 2593MHz										
3.919	-63.96	Pk	33.4	-31.7	11.8	.4	-50.06	-25	-25.06	V
4.102	-62.55	Pk	33.3	-31.6	11.8	.3	-48.75	-25	-23.75	H
6.729	-66.56	Pk	35.5	-26.4	11.8	.4	-45.26	-25	-20.26	V
6.73	-66.64	Pk	35.5	-26.4	11.8	.4	-45.34	-25	-20.34	H
11.82	-66.75	Pk	38.4	-21.8	11.8	.8	-37.55	-25	-12.55	V
11.827	-65.93	Pk	38.4	-21.9	11.8	.8	-36.83	-25	-11.83	H
High Channel, 2640MHz										
6.41	-66.27	Pk	35.4	-27.2	11.8	.5	-45.77	-25	-20.77	H
6.747	-66.52	Pk	35.5	-26.2	11.8	.4	-45.02	-25	-20.02	V
9.046	-66.61	Pk	36	-23.3	11.8	.6	-41.51	-25	-16.51	V
9.069	-65.84	Pk	36	-23.5	11.8	.6	-40.94	-25	-15.94	H
11.94	-65.8	Pk	38.6	-21.6	11.8	.8	-36.2	-25	-11.2	H
11.983	-66.67	Pk	38.6	-21.4	11.8	.9	-36.77	-25	-11.77	V

SRS 5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT D)

Project #:	16238088
Date:	2026-03-26
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	5G NR n41 BPSK 100MHz
Chamber #:	84740/11993

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2546MHz										
6.064	-54.39	Pk	35.4	-41.6	11.8	.5	-48.29	-25	-23.29	V
6.383	-54.05	Pk	35.6	-42.2	11.8	.5	-48.35	-25	-23.35	H
13.927	-56.72	Pk	38.6	-34.7	11.8	.5	-40.52	-25	-15.52	V
13.928	-54.82	Pk	38.6	-34.6	11.8	.5	-38.52	-25	-13.52	H
16.732	-54.75	Pk	41.4	-36.7	11.8	1	-37.25	-25	-12.25	V
17.715	-56.01	Pk	41	-35	11.8	1	-37.21	-25	-12.21	H
Mid Channel, 2593MHz										
6.034	-54.17	Pk	35.3	-42.2	11.8	.4	-48.87	-25	-23.87	V
6.121	-53.72	Pk	35.3	-42.4	11.8	.6	-48.42	-25	-23.42	H
10.575	-54.99	Pk	37.8	-40	11.8	1.3	-44.09	-25	-19.09	V
10.58	-55.05	Pk	37.7	-39.6	11.8	1.3	-43.85	-25	-18.85	H
17.709	-55.93	Pk	41	-35.1	11.8	1	-37.23	-25	-12.23	V
17.71	-56.1	Pk	41	-35	11.8	1	-37.3	-25	-12.3	H
High Channel, 2640MHz										
6.105	-53.67	Pk	35.3	-42.2	11.8	.5	-48.27	-25	-23.27	H
6.109	-54.14	Pk	35.3	-42.3	11.8	.5	-48.84	-25	-23.84	V
10.472	-54.01	Pk	37.6	-39.9	11.8	.9	-43.61	-25	-18.61	V
10.58	-55.33	Pk	37.7	-39.6	11.8	1.3	-44.13	-25	-19.13	H
16.81	-55.81	Pk	41.4	-36.6	11.8	1.1	-38.11	-25	-13.11	H
17.423	-55.6	Pk	41	-35.8	11.8	1.1	-37.5	-25	-12.5	V

SRS 5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT H)

Project #:	16238088
Date:	2026-03-26
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	5G NR n41 BPSK 100MHz
Chamber #:	84740/11993

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2546MHz										
7.909	-54.72	Pk	35.9	-41.1	11.8	.4	-47.72	-25	-22.72	H
7.912	-54.49	Pk	35.9	-40.8	11.8	.4	-47.19	-25	-22.19	V
10.111	-55.18	Pk	37.2	-39.9	11.8	1.5	-44.58	-25	-19.58	V
10.116	-54.38	Pk	37.3	-39.9	11.8	1.5	-43.68	-25	-18.68	H
17.706	-56.14	Pk	41	-35.4	11.8	.9	-37.84	-25	-12.84	V
17.713	-55.92	Pk	41	-34.9	11.8	1	-37.02	-25	-12.02	H
Mid Channel, 2593MHz										
4.243	-51.38	Pk	33.5	-45.2	11.8	.3	-50.98	-25	-25.98	H
4.857	-50.96	Pk	34.1	-45.8	11.8	.8	-50.06	-25	-25.06	V
10.116	-54.9	Pk	37.3	-39.9	11.8	1.5	-44.2	-25	-19.2	V
10.167	-53.62	Pk	37.4	-40.8	11.8	1.4	-43.82	-25	-18.82	H
17.712	-56.43	Pk	41	-34.8	11.8	1	-37.43	-25	-12.43	H
17.716	-56.21	Pk	41	-35	11.8	1	-37.41	-25	-12.41	V
High Channel, 2640MHz										
6.062	-54.66	Pk	35.4	-41.5	11.8	.5	-48.46	-25	-23.46	V
6.459	-53.63	Pk	35.6	-42.8	11.8	.4	-48.63	-25	-23.63	H
10.581	-54.5	Pk	37.7	-39.6	11.8	1.3	-43.3	-25	-18.3	H
10.98	-55.7	Pk	37.9	-38.3	11.8	.8	-43.5	-25	-18.5	V
17.271	-55.73	Pk	41.1	-36	11.8	1.2	-37.63	-25	-12.63	V
17.551	-56.14	Pk	41	-34.6	11.8	1.1	-36.84	-25	-11.84	H

UL MIMO 5G NR n41 (BPSK 100.0MHZ BANDWIDTH, ANT G + B)

Project #:	16238088
Date:	2026-04-03
Test Engineer:	84740/11993
Configuration:	EUT Only
Mode	5G NR n41 BPSK 100MHz
Chamber #:	84740/11993

Frequency (GHz)	Meter Reading (dBm)	Det	88761 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 2546MHz										
3.005	-62.37	Pk	32.7	-33.8	11.8	1.9	-49.77	-25	-24.77	H
3.012	-62.97	Pk	32.8	-34	11.8	1.9	-50.47	-25	-25.47	V
8.991	-66.84	Pk	36	-24.6	11.8	.5	-43.14	-25	-18.14	V
9.037	-65.99	Pk	36	-23.3	11.8	.7	-40.79	-25	-15.79	H
17.538	-66.7	Pk	41.1	-16	11.8	1.1	-28.7	-25	-3.7	H
17.607	-66.3	Pk	41.2	-16.2	11.8	1	-28.5	-25	-3.5	V
Mid Channel, 2593MHz										
3.059	-62.25	Pk	33	-34.3	11.8	1.9	-49.85	-25	-24.85	V
3.067	-62.67	Pk	33	-34.1	11.8	1.9	-50.07	-25	-25.07	H
9.023	-66.54	Pk	36	-23.9	11.8	.7	-41.94	-25	-16.94	V
9.05	-67.03	Pk	36	-23.3	11.8	.7	-41.83	-25	-16.83	H
17.578	-67.58	Pk	41.2	-15.3	11.8	1.1	-28.78	-25	-3.78	V
17.598	-66.97	Pk	41.2	-16.1	11.8	1	-29.07	-25	-4.07	H
High Channel, 2640MHz										
3.076	-62.26	Pk	33	-33.9	11.8	1.9	-49.46	-25	-24.46	H
3.078	-62.77	Pk	33	-33.9	11.8	1.9	-49.97	-25	-24.97	V
9.052	-64.67	Pk	36	-23.2	11.8	.7	-39.37	-25	-14.37	H
9.086	-65.6	Pk	36	-23.7	11.8	.4	-41.1	-25	-16.1	V
17.651	-66.31	Pk	41.2	-17	11.8	.9	-29.41	-25	-4.41	H
17.7	-66.91	Pk	41.1	-16.8	11.8	.9	-29.91	-25	-4.91	V

10. SETUP PHOTOS

Refer to R16238088-EP1 for setup photos.

END OF REPORT