



REPORT No.: SZ21010412W07

Effective Radiated Power and Effective Isotropic Radiated Power**Top Antenna**

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18700		18900		19100	
Frequency (MHz)				1860		1880		1900	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	21.31	0.135	21.48	0.141	21.45	0.140
20	QPSK	1	49	21.27	0.134	21.35	0.136	21.28	0.134
20	QPSK	1	99	21.25	0.133	21.41	0.138	21.39	0.138
20	QPSK	50	0	20.33	0.108	20.41	0.110	20.39	0.109
20	QPSK	50	24	20.25	0.106	20.20	0.105	20.14	0.103
20	QPSK	50	50	20.20	0.105	20.16	0.104	20.22	0.105
20	QPSK	100	0	20.13	0.103	20.22	0.105	20.18	0.104
20	16QAM	1	0	20.19	0.104	20.19	0.104	20.21	0.105
20	16QAM	1	49	20.03	0.101	20.33	0.108	20.29	0.107
20	16QAM	1	99	20.28	0.107	20.13	0.103	20.29	0.107
20	16QAM	50	0	20.21	0.105	20.18	0.104	20.16	0.104
20	16QAM	50	24	20.17	0.104	20.22	0.105	20.23	0.105
20	16QAM	50	50	20.25	0.106	20.22	0.105	20.29	0.107
20	16QAM	100	0	20.28	0.107	20.29	0.107	20.16	0.104
20	64QAM	1	0	20.15	0.104	20.10	0.102	20.08	0.102
20	64QAM	1	49	20.10	0.102	20.04	0.101	19.95	0.099
20	64QAM	1	99	20.05	0.101	20.14	0.103	20.14	0.103
20	64QAM	50	0	20.15	0.104	20.07	0.102	20.12	0.103
20	64QAM	50	24	20.18	0.104	20.12	0.103	20.17	0.104
20	64QAM	50	50	20.17	0.104	20.18	0.104	20.12	0.103
20	64QAM	100	0	20.17	0.104	20.14	0.103	20.15	0.104

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REPORT No.: SZ21010412W07

LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18675		18900		19125	
Frequency (MHz)				1857.5		1880		1902.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	21.22	0.132	21.25	0.133	21.16	0.131
15	QPSK	1	37	21.01	0.126	21.37	0.137	21.25	0.133
15	QPSK	1	74	21.38	0.137	21.30	0.135	21.38	0.137
15	QPSK	36	0	20.12	0.103	20.21	0.105	20.20	0.105
15	QPSK	36	20	20.11	0.103	20.30	0.107	20.27	0.106
15	QPSK	36	39	20.23	0.105	20.24	0.106	20.21	0.105
15	QPSK	75	0	20.15	0.104	20.21	0.105	20.17	0.104
15	16QAM	1	0	20.24	0.106	20.32	0.108	20.26	0.106
15	16QAM	1	37	20.37	0.109	20.40	0.110	20.26	0.106
15	16QAM	1	74	20.32	0.108	20.44	0.111	20.44	0.111
15	16QAM	36	0	20.11	0.103	20.16	0.104	20.19	0.104
15	16QAM	36	20	20.20	0.105	20.13	0.103	20.26	0.106
15	16QAM	36	39	20.25	0.106	20.34	0.108	20.31	0.107
15	16QAM	75	0	20.12	0.103	20.14	0.103	20.23	0.105
15	64QAM	1	0	20.24	0.106	20.00	0.100	20.06	0.101
15	64QAM	1	37	20.23	0.105	20.04	0.101	20.46	0.111
15	64QAM	1	74	20.12	0.103	20.16	0.104	20.31	0.107
15	64QAM	36	0	19.97	0.099	20.14	0.103	20.02	0.100
15	64QAM	36	20	20.17	0.104	20.19	0.104	20.09	0.102
15	64QAM	36	39	20.05	0.101	20.10	0.102	20.19	0.104
15	64QAM	75	0	20.04	0.101	20.11	0.103	20.10	0.102

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LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18650		18900		19150	
Frequency (MHz)				1855		1880		1905	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	21.07	0.128	21.06	0.128	21.16	0.131
10	QPSK	1	25	21.18	0.131	21.28	0.134	21.16	0.131
10	QPSK	1	49	21.07	0.128	21.15	0.130	21.07	0.128
10	QPSK	25	0	20.35	0.108	20.36	0.109	20.32	0.108
10	QPSK	25	12	20.07	0.102	20.19	0.104	20.12	0.103
10	QPSK	25	25	19.98	0.100	20.11	0.103	20.07	0.102
10	QPSK	50	0	20.04	0.101	20.13	0.103	20.11	0.103
10	16QAM	1	0	20.52	0.113	20.45	0.111	20.44	0.111
10	16QAM	1	25	20.21	0.105	20.17	0.104	20.24	0.106
10	16QAM	1	49	20.16	0.104	20.24	0.106	20.03	0.101
10	16QAM	25	0	20.06	0.101	20.05	0.101	20.14	0.103
10	16QAM	25	12	20.16	0.104	20.12	0.103	20.11	0.103
10	16QAM	25	25	20.11	0.103	20.07	0.102	20.06	0.101
10	16QAM	50	0	20.07	0.102	20.00	0.100	20.04	0.101
10	64QAM	1	0	20.02	0.100	20.07	0.102	20.07	0.102
10	64QAM	1	25	20.05	0.101	20.10	0.102	20.14	0.103
10	64QAM	1	49	19.72	0.094	19.85	0.097	19.82	0.096
10	64QAM	25	0	20.02	0.100	20.06	0.101	20.07	0.102
10	64QAM	25	12	20.05	0.101	20.03	0.101	20.04	0.101
10	64QAM	25	25	19.98	0.100	20.00	0.100	19.98	0.100
10	64QAM	50	0	19.99	0.100	19.99	0.100	19.96	0.099

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LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18625		18900		19175	
Frequency (MHz)				1852.5		1880		1907.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	21.21	0.132	21.26	0.134	21.20	0.132
5	QPSK	1	12	21.20	0.132	21.31	0.135	21.18	0.131
5	QPSK	1	24	21.16	0.131	21.32	0.136	21.25	0.133
5	QPSK	12	0	20.10	0.102	20.01	0.100	20.08	0.102
5	QPSK	12	7	20.11	0.103	20.16	0.104	20.08	0.102
5	QPSK	12	13	20.10	0.102	20.09	0.102	20.12	0.103
5	QPSK	25	0	20.09	0.102	20.07	0.102	20.09	0.102
5	16QAM	1	0	20.22	0.105	20.12	0.103	20.50	0.112
5	16QAM	1	12	20.20	0.105	20.13	0.103	20.50	0.112
5	16QAM	1	24	20.23	0.105	20.10	0.102	20.49	0.112
5	16QAM	12	0	20.17	0.104	20.20	0.105	19.97	0.099
5	16QAM	12	7	20.13	0.103	20.15	0.104	20.09	0.102
5	16QAM	12	13	20.16	0.104	20.05	0.101	20.00	0.100
5	16QAM	25	0	20.08	0.102	20.06	0.101	20.04	0.101
5	64QAM	1	0	20.41	0.110	19.96	0.099	20.01	0.100
5	64QAM	1	12	20.40	0.110	20.06	0.101	20.17	0.104
5	64QAM	1	24	20.41	0.110	20.05	0.101	20.07	0.102
5	64QAM	12	0	20.26	0.106	20.19	0.104	20.18	0.104
5	64QAM	12	7	20.32	0.108	20.16	0.104	20.16	0.104
5	64QAM	12	13	20.29	0.107	20.25	0.106	20.23	0.105
5	64QAM	25	0	20.36	0.109	20.16	0.104	20.23	0.105

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LTE Band 2				Measured E.I.R.P.						
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.		
Channel				18615		18900		19185		
Frequency (MHz)				1851.5		1880		1908.5		
					dBm	W	dBm	W	dBm	W
3	QPSK	1	0	21.26	0.134	21.04	0.127	21.16	0.131	
3	QPSK	1	8	21.19	0.132	21.40	0.138	21.23	0.133	
3	QPSK	1	14	21.38	0.137	21.25	0.133	21.25	0.133	
3	QPSK	8	0	20.10	0.102	20.05	0.101	20.07	0.102	
3	QPSK	8	4	20.16	0.104	20.10	0.102	20.11	0.103	
3	QPSK	8	7	20.16	0.104	20.10	0.102	20.06	0.101	
3	QPSK	15	0	20.08	0.102	20.16	0.104	20.09	0.102	
3	16QAM	1	0	20.24	0.106	20.15	0.104	20.09	0.102	
3	16QAM	1	8	20.28	0.107	20.22	0.105	20.18	0.104	
3	16QAM	1	14	20.21	0.105	20.18	0.104	20.06	0.101	
3	16QAM	8	0	20.12	0.103	20.25	0.106	20.17	0.104	
3	16QAM	8	4	20.19	0.104	20.16	0.104	20.22	0.105	
3	16QAM	8	7	20.09	0.102	20.14	0.103	20.17	0.104	
3	16QAM	15	0	20.12	0.103	20.16	0.104	20.11	0.103	
3	64QAM	1	0	20.09	0.102	20.02	0.100	20.05	0.101	
3	64QAM	1	8	20.27	0.106	20.26	0.106	19.86	0.097	
3	64QAM	1	14	19.88	0.097	20.24	0.106	19.88	0.097	
3	64QAM	8	0	20.00	0.100	20.02	0.100	20.10	0.102	
3	64QAM	8	4	20.10	0.102	20.00	0.100	20.24	0.106	
3	64QAM	8	7	20.20	0.105	20.09	0.102	20.19	0.104	
3	64QAM	15	0	20.05	0.101	20.05	0.101	20.27	0.106	

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LTE Band 2				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				18607		18900		19193	
Frequency (MHz)				1850.7		1880		1909.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.13	0.130	21.15	0.130	21.11	0.129
1.4	QPSK	1	3	21.23	0.133	21.21	0.132	21.20	0.132
1.4	QPSK	1	5	21.20	0.132	21.18	0.131	21.16	0.131
1.4	QPSK	3	0	21.07	0.128	20.97	0.125	21.14	0.130
1.4	QPSK	3	1	21.15	0.130	20.98	0.125	21.05	0.127
1.4	QPSK	3	3	20.83	0.121	20.87	0.122	21.14	0.130
1.4	QPSK	6	0	20.30	0.107	20.28	0.107	20.27	0.106
1.4	16QAM	1	0	20.33	0.108	20.33	0.108	20.27	0.106
1.4	16QAM	1	3	20.29	0.107	20.49	0.112	20.47	0.111
1.4	16QAM	1	5	20.17	0.104	20.37	0.109	20.05	0.101
1.4	16QAM	3	0	20.19	0.104	20.24	0.106	20.21	0.105
1.4	16QAM	3	1	20.37	0.109	20.19	0.104	20.24	0.106
1.4	16QAM	3	3	20.39	0.109	20.36	0.109	20.10	0.102
1.4	16QAM	6	0	20.40	0.110	20.33	0.108	20.28	0.107
1.4	64QAM	1	0	20.16	0.104	20.08	0.102	20.11	0.103
1.4	64QAM	1	3	20.18	0.104	20.39	0.109	20.27	0.106
1.4	64QAM	1	5	20.16	0.104	20.51	0.112	20.10	0.102
1.4	64QAM	3	0	20.19	0.104	20.25	0.106	20.26	0.106
1.4	64QAM	3	1	20.28	0.107	20.25	0.106	19.99	0.100
1.4	64QAM	3	3	20.20	0.105	20.34	0.108	20.11	0.103
1.4	64QAM	6	0	20.25	0.106	20.28	0.107	20.17	0.104

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LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20050		20175		20300	
Frequency (MHz)				1720		1732.5		1745	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.87	0.097	19.99	0.100	19.94	0.099
20	QPSK	1	49	19.73	0.094	19.81	0.096	19.80	0.095
20	QPSK	1	99	19.65	0.092	19.78	0.095	19.90	0.098
20	QPSK	50	0	18.95	0.079	19.08	0.081	19.05	0.080
20	QPSK	50	24	18.95	0.079	19.03	0.080	19.03	0.080
20	QPSK	50	50	18.84	0.077	18.95	0.079	18.96	0.079
20	QPSK	100	0	18.94	0.078	18.98	0.079	19.05	0.080
20	16QAM	1	0	18.81	0.076	18.89	0.077	18.78	0.076
20	16QAM	1	49	18.96	0.079	18.73	0.075	18.87	0.077
20	16QAM	1	99	18.75	0.075	18.97	0.079	18.73	0.075
20	16QAM	50	0	18.62	0.073	18.67	0.074	18.77	0.075
20	16QAM	50	24	18.58	0.072	18.69	0.074	18.58	0.072
20	16QAM	50	50	18.54	0.071	18.55	0.072	18.55	0.072
20	16QAM	100	0	18.56	0.072	18.64	0.073	18.65	0.073
20	64QAM	1	0	18.73	0.075	18.84	0.077	19.06	0.081
20	64QAM	1	49	18.77	0.075	18.70	0.074	18.58	0.072
20	64QAM	1	99	19.04	0.080	18.61	0.073	19.08	0.081
20	64QAM	50	0	18.74	0.075	18.83	0.076	18.78	0.076
20	64QAM	50	24	18.76	0.075	18.87	0.077	18.81	0.076
20	64QAM	50	50	18.80	0.076	18.75	0.075	18.77	0.075
20	64QAM	100	0	18.83	0.076	18.81	0.076	18.90	0.078

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LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20025		20175		20325	
Frequency (MHz)				1717.5		1732.5		1747.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.74	0.094	19.78	0.095	19.88	0.097
15	QPSK	1	37	19.78	0.095	19.87	0.097	19.79	0.095
15	QPSK	1	74	19.65	0.092	19.87	0.097	19.90	0.098
15	QPSK	36	0	18.89	0.077	18.96	0.079	18.99	0.079
15	QPSK	36	20	18.93	0.078	19.06	0.081	19.02	0.080
15	QPSK	36	39	18.98	0.079	18.97	0.079	19.06	0.081
15	QPSK	75	0	18.93	0.078	18.95	0.079	18.96	0.079
15	16QAM	1	0	18.63	0.073	18.85	0.077	18.57	0.072
15	16QAM	1	37	18.71	0.074	18.71	0.074	18.55	0.072
15	16QAM	1	74	18.57	0.072	18.87	0.077	18.66	0.073
15	16QAM	36	0	18.58	0.072	18.60	0.072	18.79	0.076
15	16QAM	36	20	18.53	0.071	18.60	0.072	18.66	0.073
15	16QAM	36	39	18.49	0.071	18.58	0.072	18.64	0.073
15	16QAM	75	0	18.60	0.072	18.61	0.073	18.70	0.074
15	64QAM	1	0	18.60	0.072	18.91	0.078	18.96	0.079
15	64QAM	1	37	19.02	0.080	18.78	0.076	18.84	0.077
15	64QAM	1	74	19.06	0.081	18.77	0.075	18.81	0.076
15	64QAM	36	0	18.71	0.074	18.78	0.076	18.82	0.076
15	64QAM	36	20	18.77	0.075	18.79	0.076	18.81	0.076
15	64QAM	36	39	18.80	0.076	18.76	0.075	18.78	0.076
15	64QAM	75	0	18.73	0.075	18.84	0.077	18.77	0.075

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LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20000		20175		20350	
Frequency (MHz)				1715		1732.5		1750	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.66	0.092	19.85	0.097	19.68	0.093
10	QPSK	1	25	19.64	0.092	19.77	0.095	19.78	0.095
10	QPSK	1	49	19.72	0.094	19.55	0.090	19.78	0.095
10	QPSK	25	0	18.72	0.074	18.94	0.078	18.96	0.079
10	QPSK	25	12	18.84	0.077	18.90	0.078	18.94	0.078
10	QPSK	25	25	18.73	0.075	18.84	0.077	18.91	0.078
10	QPSK	50	0	18.79	0.076	18.89	0.077	18.81	0.076
10	16QAM	1	0	18.54	0.071	18.69	0.074	18.45	0.070
10	16QAM	1	25	18.81	0.076	18.55	0.072	18.87	0.077
10	16QAM	1	49	18.88	0.077	18.78	0.076	18.77	0.075
10	16QAM	25	0	18.54	0.071	18.53	0.071	18.52	0.071
10	16QAM	25	12	18.46	0.070	18.56	0.072	18.53	0.071
10	16QAM	25	25	18.80	0.076	18.71	0.074	18.80	0.076
10	16QAM	50	0	18.74	0.075	18.78	0.076	18.90	0.078
10	64QAM	1	0	18.65	0.073	18.73	0.075	18.63	0.073
10	64QAM	1	25	18.72	0.074	19.01	0.080	19.10	0.081
10	64QAM	1	49	18.70	0.074	18.74	0.075	18.69	0.074
10	64QAM	25	0	18.54	0.071	18.68	0.074	18.67	0.074
10	64QAM	25	12	18.63	0.073	18.74	0.075	18.78	0.076
10	64QAM	25	25	18.51	0.071	18.63	0.073	18.65	0.073
10	64QAM	50	0	18.57	0.072	18.64	0.073	18.63	0.073

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REPORT No.: SZ21010412W07

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19975		20175		20375	
Frequency (MHz)				1712.5		1732.5		1752.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.56	0.090	19.78	0.095	19.83	0.096
5	QPSK	1	12	19.62	0.092	19.77	0.095	19.74	0.094
5	QPSK	1	24	19.57	0.091	19.69	0.093	19.68	0.093
5	QPSK	12	0	18.80	0.076	18.80	0.076	18.84	0.077
5	QPSK	12	7	18.80	0.076	18.91	0.078	18.88	0.077
5	QPSK	12	13	18.75	0.075	18.92	0.078	18.84	0.077
5	QPSK	25	0	18.78	0.076	18.82	0.076	18.88	0.077
5	16QAM	1	0	18.44	0.070	18.85	0.077	18.53	0.071
5	16QAM	1	12	18.55	0.072	18.90	0.078	18.49	0.071
5	16QAM	1	24	18.49	0.071	18.84	0.077	18.44	0.070
5	16QAM	12	0	18.48	0.070	18.42	0.070	18.45	0.070
5	16QAM	12	7	18.51	0.071	18.55	0.072	18.53	0.071
5	16QAM	12	13	18.78	0.076	18.85	0.077	18.89	0.077
5	16QAM	25	0	18.79	0.076	18.90	0.078	18.83	0.076
5	64QAM	1	0	18.61	0.073	19.05	0.080	19.03	0.080
5	64QAM	1	12	18.99	0.079	18.75	0.075	19.02	0.080
5	64QAM	1	24	18.95	0.079	18.65	0.073	18.72	0.074
5	64QAM	12	0	18.62	0.073	18.69	0.074	18.71	0.074
5	64QAM	12	7	18.61	0.073	18.70	0.074	18.76	0.075
5	64QAM	12	13	18.62	0.073	18.68	0.074	18.67	0.074
5	64QAM	25	0	18.57	0.072	18.71	0.074	18.62	0.073

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REPORT No.: SZ21010412W07

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19965		20175		20385	
Frequency (MHz)				1711.5		1732.5		1753.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.68	0.093	19.69	0.093	19.81	0.096
3	QPSK	1	8	19.77	0.095	19.91	0.098	19.85	0.097
3	QPSK	1	14	19.57	0.091	19.76	0.095	19.76	0.095
3	QPSK	8	0	18.78	0.076	18.84	0.077	18.85	0.077
3	QPSK	8	4	18.84	0.077	18.92	0.078	18.94	0.078
3	QPSK	8	7	18.80	0.076	18.90	0.078	18.90	0.078
3	QPSK	15	0	18.80	0.076	18.86	0.077	18.80	0.076
3	16QAM	1	0	18.64	0.073	18.73	0.075	18.77	0.075
3	16QAM	1	8	18.86	0.077	18.86	0.077	18.60	0.072
3	16QAM	1	14	18.77	0.075	18.55	0.072	18.63	0.073
3	16QAM	8	0	18.56	0.072	18.57	0.072	18.66	0.073
3	16QAM	8	4	18.66	0.073	18.66	0.073	18.67	0.074
3	16QAM	8	7	18.88	0.077	18.96	0.079	19.00	0.079
3	16QAM	15	0	18.88	0.077	18.86	0.077	18.93	0.078
3	64QAM	1	0	18.60	0.072	18.69	0.074	18.67	0.074
3	64QAM	1	8	18.79	0.076	18.67	0.074	18.83	0.076
3	64QAM	1	14	18.60	0.072	18.67	0.074	18.50	0.071
3	64QAM	8	0	18.58	0.072	18.62	0.073	18.56	0.072
3	64QAM	8	4	18.70	0.074	18.68	0.074	18.72	0.074
3	64QAM	8	7	18.64	0.073	18.71	0.074	18.83	0.076
3	64QAM	15	0	18.60	0.072	18.68	0.074	18.59	0.072

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REPORT No.: SZ21010412W07

LTE Band 4				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				19957		20175		20393	
Frequency (MHz)				1710.7		1732.5		1754.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.43	0.088	19.64	0.092	19.65	0.092
1.4	QPSK	1	3	19.77	0.095	19.77	0.095	19.81	0.096
1.4	QPSK	1	5	19.63	0.092	19.72	0.094	19.74	0.094
1.4	QPSK	3	0	19.71	0.094	19.68	0.093	19.67	0.093
1.4	QPSK	3	1	19.67	0.093	19.77	0.095	19.82	0.096
1.4	QPSK	3	3	19.66	0.092	19.73	0.094	19.72	0.094
1.4	QPSK	6	0	18.56	0.072	18.65	0.073	18.65	0.073
1.4	16QAM	1	0	18.53	0.071	19.00	0.079	18.66	0.073
1.4	16QAM	1	3	18.66	0.073	18.74	0.075	18.78	0.076
1.4	16QAM	1	5	18.72	0.074	18.88	0.077	18.68	0.074
1.4	16QAM	3	0	18.75	0.075	18.79	0.076	18.70	0.074
1.4	16QAM	3	1	18.76	0.075	18.79	0.076	18.81	0.076
1.4	16QAM	3	3	18.75	0.075	18.87	0.077	18.76	0.075
1.4	16QAM	6	0	18.66	0.073	18.67	0.074	18.58	0.072
1.4	64QAM	1	0	18.49	0.071	18.43	0.070	18.57	0.072
1.4	64QAM	1	3	18.75	0.075	18.73	0.075	18.85	0.077
1.4	64QAM	1	5	18.66	0.073	18.62	0.073	18.46	0.070
1.4	64QAM	3	0	18.57	0.072	18.55	0.072	18.74	0.075
1.4	64QAM	3	1	18.48	0.070	18.63	0.073	18.60	0.072
1.4	64QAM	3	3	18.54	0.071	18.71	0.074	18.59	0.072
1.4	64QAM	6	0	18.53	0.071	18.54	0.071	18.61	0.073

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REPORT No.: SZ21010412W07

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.19	0.104	20.32	0.108	20.03	0.101
10	QPSK	1	25	20.06	0.101	20.17	0.104	20.19	0.104
10	QPSK	1	49	20.07	0.102	20.00	0.100	19.94	0.099
10	QPSK	25	0	19.05	0.080	19.17	0.083	19.06	0.081
10	QPSK	25	12	19.09	0.081	19.08	0.081	19.04	0.080
10	QPSK	25	25	19.17	0.083	19.04	0.080	19.13	0.082
10	QPSK	50	0	19.13	0.082	19.08	0.081	19.16	0.082
10	16QAM	1	0	19.44	0.088	19.14	0.082	19.53	0.090
10	16QAM	1	25	19.10	0.081	19.08	0.081	19.12	0.082
10	16QAM	1	49	19.39	0.087	19.20	0.083	19.33	0.086
10	16QAM	25	0	18.11	0.065	18.09	0.064	18.16	0.065
10	16QAM	25	12	18.17	0.066	18.10	0.065	18.17	0.066
10	16QAM	25	25	18.13	0.065	18.16	0.065	18.10	0.065
10	16QAM	50	0	18.16	0.065	18.15	0.065	18.07	0.064
10	64QAM	1	0	18.25	0.067	18.46	0.070	18.20	0.066
10	64QAM	1	25	18.16	0.065	18.38	0.069	18.39	0.069
10	64QAM	1	49	18.41	0.069	18.27	0.067	18.07	0.064
10	64QAM	25	0	18.08	0.064	18.06	0.064	18.05	0.064
10	64QAM	25	12	18.18	0.066	18.06	0.064	18.00	0.063
10	64QAM	25	25	18.06	0.064	18.16	0.065	18.05	0.064
10	64QAM	50	0	18.13	0.065	18.14	0.065	18.09	0.064

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REPORT No.: SZ21010412W07

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.07	0.102	19.92	0.098	19.94	0.099
5	QPSK	1	12	20.11	0.103	19.90	0.098	19.96	0.099
5	QPSK	1	24	20.05	0.101	20.06	0.101	19.82	0.096
5	QPSK	12	0	19.17	0.083	19.11	0.081	19.05	0.080
5	QPSK	12	7	19.10	0.081	19.08	0.081	19.05	0.080
5	QPSK	12	13	19.13	0.082	19.05	0.080	19.06	0.081
5	QPSK	25	0	19.11	0.081	19.16	0.082	19.05	0.080
5	16QAM	1	0	19.21	0.083	19.23	0.084	19.51	0.089
5	16QAM	1	12	19.22	0.084	19.27	0.085	19.15	0.082
5	16QAM	1	24	19.12	0.082	19.06	0.081	19.53	0.090
5	16QAM	12	0	18.05	0.064	17.99	0.063	18.15	0.065
5	16QAM	12	7	18.19	0.066	18.17	0.066	18.09	0.064
5	16QAM	12	13	18.12	0.065	18.17	0.066	18.15	0.065
5	16QAM	25	0	18.19	0.066	18.16	0.065	17.94	0.062
5	64QAM	1	0	18.39	0.069	18.46	0.070	18.19	0.066
5	64QAM	1	12	18.40	0.069	18.36	0.069	18.13	0.065
5	64QAM	1	24	18.27	0.067	18.30	0.068	18.18	0.066
5	64QAM	12	0	18.04	0.064	18.01	0.063	18.02	0.063
5	64QAM	12	7	18.16	0.065	18.09	0.064	18.02	0.063
5	64QAM	12	13	18.07	0.064	18.06	0.064	18.12	0.065
5	64QAM	25	0	18.05	0.064	18.13	0.065	18.07	0.064

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LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.99	0.100	19.90	0.098	19.87	0.097
3	QPSK	1	8	20.06	0.101	19.96	0.099	19.88	0.097
3	QPSK	1	14	19.88	0.097	19.96	0.099	19.92	0.098
3	QPSK	8	0	19.08	0.081	19.02	0.080	19.07	0.081
3	QPSK	8	4	19.07	0.081	19.05	0.080	19.05	0.080
3	QPSK	8	7	19.11	0.081	19.09	0.081	19.06	0.081
3	QPSK	15	0	19.04	0.080	19.08	0.081	18.95	0.079
3	16QAM	1	0	19.25	0.084	19.45	0.088	19.22	0.084
3	16QAM	1	8	19.51	0.089	19.45	0.088	19.18	0.083
3	16QAM	1	14	19.34	0.086	19.37	0.086	19.14	0.082
3	16QAM	8	0	18.10	0.065	18.04	0.064	18.16	0.065
3	16QAM	8	4	18.24	0.067	18.08	0.064	17.94	0.062
3	16QAM	8	7	17.96	0.063	18.09	0.064	18.10	0.065
3	16QAM	15	0	18.11	0.065	18.17	0.066	18.09	0.064
3	64QAM	1	0	18.29	0.067	18.19	0.066	18.19	0.066
3	64QAM	1	8	18.20	0.066	18.09	0.064	18.36	0.069
3	64QAM	1	14	18.20	0.066	18.36	0.069	18.30	0.068
3	64QAM	8	0	18.14	0.065	17.97	0.063	17.92	0.062
3	64QAM	8	4	18.03	0.064	18.31	0.068	17.98	0.063
3	64QAM	8	7	18.20	0.066	18.01	0.063	18.08	0.064
3	64QAM	15	0	18.09	0.064	18.08	0.064	18.01	0.063

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LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.89	0.097	19.90	0.098	19.91	0.098
1.4	QPSK	1	3	19.96	0.099	19.93	0.098	19.91	0.098
1.4	QPSK	1	5	19.83	0.096	19.93	0.098	19.81	0.096
1.4	QPSK	3	0	19.91	0.098	19.91	0.098	19.90	0.098
1.4	QPSK	3	1	19.93	0.098	19.93	0.098	19.87	0.097
1.4	QPSK	3	3	19.86	0.097	19.97	0.099	19.80	0.095
1.4	QPSK	6	0	18.96	0.079	18.97	0.079	18.93	0.078
1.4	16QAM	1	0	19.44	0.088	19.24	0.084	19.19	0.083
1.4	16QAM	1	3	19.55	0.090	19.53	0.090	19.20	0.083
1.4	16QAM	1	5	19.53	0.090	19.33	0.086	19.15	0.082
1.4	16QAM	3	0	18.88	0.077	18.92	0.078	19.03	0.080
1.4	16QAM	3	1	18.93	0.078	19.00	0.079	19.03	0.080
1.4	16QAM	3	3	18.90	0.078	18.91	0.078	18.89	0.077
1.4	16QAM	6	0	18.41	0.069	18.20	0.066	18.13	0.065
1.4	64QAM	1	0	18.50	0.071	18.26	0.067	18.24	0.067
1.4	64QAM	1	3	18.13	0.065	18.50	0.071	18.21	0.066
1.4	64QAM	1	5	18.39	0.069	18.39	0.069	18.09	0.064
1.4	64QAM	3	0	18.20	0.066	18.27	0.067	18.17	0.066
1.4	64QAM	3	1	18.11	0.065	18.11	0.065	18.24	0.067
1.4	64QAM	3	3	18.30	0.068	18.19	0.066	18.19	0.066
1.4	64QAM	6	0	18.21	0.066	18.13	0.065	18.39	0.069

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	20.27	0.106	19.99	0.100	20.04	0.101
10	QPSK	1	25	20.18	0.104	20.17	0.104	20.23	0.105
10	QPSK	1	49	20.17	0.104	20.17	0.104	20.18	0.104
10	QPSK	25	0	19.32	0.086	19.15	0.082	19.19	0.083
10	QPSK	25	12	19.29	0.085	19.20	0.083	19.27	0.085
10	QPSK	25	25	19.12	0.082	19.09	0.081	19.18	0.083
10	QPSK	50	0	19.23	0.084	19.09	0.081	19.31	0.085
10	16QAM	1	0	19.31	0.085	19.20	0.083	19.19	0.083
10	16QAM	1	25	19.06	0.081	19.36	0.086	19.36	0.086
10	16QAM	1	49	19.21	0.083	19.46	0.088	19.35	0.086
10	16QAM	25	0	18.18	0.066	18.14	0.065	18.20	0.066
10	16QAM	25	12	18.28	0.067	18.28	0.067	18.26	0.067
10	16QAM	25	25	18.16	0.065	18.34	0.068	18.29	0.067
10	16QAM	50	0	18.23	0.067	18.19	0.066	18.29	0.067
10	64QAM	1	0	18.26	0.067	18.39	0.069	18.28	0.067
10	64QAM	1	25	18.17	0.066	18.40	0.069	18.27	0.067
10	64QAM	1	49	18.20	0.066	18.27	0.067	18.36	0.069
10	64QAM	25	0	18.36	0.069	18.10	0.065	18.16	0.065
10	64QAM	25	12	18.30	0.068	18.27	0.067	18.20	0.066
10	64QAM	25	25	18.22	0.066	18.36	0.069	18.21	0.066
10	64QAM	50	0	18.11	0.065	18.11	0.065	18.25	0.067

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	20.09	0.102	20.01	0.100	20.14	0.103
5	QPSK	1	12	20.20	0.105	20.11	0.103	20.00	0.100
5	QPSK	1	24	20.16	0.104	20.22	0.105	20.13	0.103
5	QPSK	12	0	19.09	0.081	19.23	0.084	19.13	0.082
5	QPSK	12	7	19.23	0.084	19.28	0.085	19.22	0.084
5	QPSK	12	13	19.17	0.083	19.20	0.083	19.22	0.084
5	QPSK	25	0	19.15	0.082	19.19	0.083	19.09	0.081
5	16QAM	1	0	19.49	0.089	19.58	0.091	19.56	0.090
5	16QAM	1	12	19.31	0.085	19.42	0.087	19.35	0.086
5	16QAM	1	24	19.21	0.083	19.35	0.086	19.42	0.087
5	16QAM	12	0	18.10	0.065	18.24	0.067	18.23	0.067
5	16QAM	12	7	18.33	0.068	18.27	0.067	18.29	0.067
5	16QAM	12	13	18.20	0.066	18.23	0.067	18.26	0.067
5	16QAM	25	0	18.25	0.067	18.24	0.067	18.05	0.064
5	64QAM	1	0	18.39	0.069	18.27	0.067	18.36	0.069
5	64QAM	1	12	18.40	0.069	18.20	0.066	18.19	0.066
5	64QAM	1	24	18.46	0.070	18.47	0.070	18.40	0.069
5	64QAM	12	0	18.03	0.064	18.25	0.067	18.16	0.065
5	64QAM	12	7	18.30	0.068	18.20	0.066	18.27	0.067
5	64QAM	12	13	18.17	0.066	18.28	0.067	18.25	0.067
5	64QAM	25	0	18.23	0.067	18.26	0.067	18.12	0.065

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	20.13	0.103	20.14	0.103	20.13	0.103
3	QPSK	1	8	20.17	0.104	20.18	0.104	20.18	0.104
3	QPSK	1	14	20.11	0.103	20.11	0.103	20.09	0.102
3	QPSK	8	0	19.16	0.082	19.25	0.084	19.15	0.082
3	QPSK	8	4	19.19	0.083	19.16	0.082	19.26	0.084
3	QPSK	8	7	19.14	0.082	19.19	0.083	19.09	0.081
3	QPSK	15	0	19.14	0.082	19.11	0.081	19.12	0.082
3	16QAM	1	0	19.66	0.092	19.43	0.088	19.54	0.090
3	16QAM	1	8	19.63	0.092	19.70	0.093	19.55	0.090
3	16QAM	1	14	19.57	0.091	19.75	0.094	19.45	0.088
3	16QAM	8	0	18.32	0.068	18.34	0.068	18.19	0.066
3	16QAM	8	4	18.30	0.068	18.26	0.067	18.19	0.066
3	16QAM	8	7	18.14	0.065	18.33	0.068	18.14	0.065
3	16QAM	15	0	18.31	0.068	18.25	0.067	18.09	0.064
3	64QAM	1	0	18.36	0.069	18.27	0.067	18.27	0.067
3	64QAM	1	8	18.37	0.069	18.46	0.070	18.36	0.069
3	64QAM	1	14	18.40	0.069	18.36	0.069	18.35	0.068
3	64QAM	8	0	18.23	0.067	18.21	0.066	18.11	0.065
3	64QAM	8	4	18.15	0.065	18.22	0.066	18.19	0.066
3	64QAM	8	7	18.23	0.067	18.15	0.065	18.10	0.065
3	64QAM	15	0	18.13	0.065	18.29	0.067	18.15	0.065

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	20.13	0.103	20.05	0.101	20.05	0.101
1.4	QPSK	1	3	20.02	0.100	20.19	0.104	20.08	0.102
1.4	QPSK	1	5	19.99	0.100	20.05	0.101	19.98	0.100
1.4	QPSK	3	0	20.01	0.100	20.01	0.100	20.11	0.103
1.4	QPSK	3	1	20.02	0.100	20.11	0.103	20.03	0.101
1.4	QPSK	3	3	20.00	0.100	20.10	0.102	20.11	0.103
1.4	QPSK	6	0	19.13	0.082	19.14	0.082	19.15	0.082
1.4	16QAM	1	0	19.31	0.085	19.34	0.086	19.30	0.085
1.4	16QAM	1	3	19.28	0.085	19.43	0.088	19.33	0.086
1.4	16QAM	1	5	19.25	0.084	19.27	0.085	19.27	0.085
1.4	16QAM	3	0	19.18	0.083	19.19	0.083	19.19	0.083
1.4	16QAM	3	1	19.25	0.084	19.25	0.084	19.14	0.082
1.4	16QAM	3	3	19.14	0.082	19.19	0.083	19.12	0.082
1.4	16QAM	6	0	18.15	0.065	18.24	0.067	18.19	0.066
1.4	64QAM	1	0	18.23	0.067	18.23	0.067	18.10	0.065
1.4	64QAM	1	3	18.23	0.067	18.39	0.069	18.20	0.066
1.4	64QAM	1	5	18.20	0.066	18.23	0.067	18.33	0.068
1.4	64QAM	3	0	18.14	0.065	18.36	0.069	18.12	0.065
1.4	64QAM	3	1	18.11	0.065	18.11	0.065	18.21	0.066
1.4	64QAM	3	3	18.13	0.065	18.39	0.069	18.14	0.065
1.4	64QAM	6	0	18.15	0.065	18.21	0.066	18.15	0.065

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REPORT No.: SZ21010412W07

LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23230		/	
Frequency (MHz)				/		782		/	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	/	/	19.87	0.097	/	/
10	QPSK	1	25	/	/	20.05	0.101	/	/
10	QPSK	1	49	/	/	19.95	0.099	/	/
10	QPSK	25	0	/	/	18.93	0.078	/	/
10	QPSK	25	12	/	/	19.00	0.079	/	/
10	QPSK	25	25	/	/	19.02	0.080	/	/
10	QPSK	50	0	/	/	19.01	0.080	/	/
10	16QAM	1	0	/	/	19.11	0.081	/	/
10	16QAM	1	25	/	/	19.35	0.086	/	/
10	16QAM	1	49	/	/	19.32	0.086	/	/
10	16QAM	25	0	/	/	18.49	0.071	/	/
10	16QAM	25	12	/	/	18.39	0.069	/	/
10	16QAM	25	25	/	/	18.39	0.069	/	/
10	16QAM	50	0	/	/	18.47	0.070	/	/
10	64QAM	1	0	/	/	18.36	0.069	/	/
10	64QAM	1	25	/	/	18.47	0.070	/	/
10	64QAM	1	49	/	/	18.33	0.068	/	/
10	64QAM	25	0	/	/	18.39	0.069	/	/
10	64QAM	25	12	/	/	18.41	0.069	/	/
10	64QAM	25	25	/	/	18.52	0.071	/	/
10	64QAM	50	0	/	/	18.36	0.069	/	/

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LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.82	0.096	19.96	0.099	19.93	0.098
5	QPSK	1	12	19.89	0.097	19.92	0.098	19.87	0.097
5	QPSK	1	24	19.87	0.097	19.87	0.097	19.93	0.098
5	QPSK	12	0	18.89	0.077	18.91	0.078	18.92	0.078
5	QPSK	12	7	19.03	0.080	18.89	0.077	19.02	0.080
5	QPSK	12	13	18.94	0.078	19.03	0.080	18.96	0.079
5	QPSK	25	0	19.05	0.080	18.98	0.079	19.01	0.080
5	16QAM	1	0	19.40	0.087	19.23	0.084	19.15	0.082
5	16QAM	1	12	19.06	0.081	19.41	0.087	19.35	0.086
5	16QAM	1	24	19.28	0.085	19.44	0.088	19.42	0.087
5	16QAM	12	0	18.41	0.069	17.92	0.062	17.98	0.063
5	16QAM	12	7	18.46	0.070	17.90	0.062	18.10	0.065
5	16QAM	12	13	18.39	0.069	18.12	0.065	18.01	0.063
5	16QAM	25	0	18.37	0.069	18.30	0.068	18.00	0.063
5	64QAM	1	0	18.40	0.069	18.46	0.070	18.46	0.070
5	64QAM	1	12	18.30	0.068	18.30	0.068	18.14	0.065
5	64QAM	1	24	18.46	0.070	18.11	0.065	18.19	0.066
5	64QAM	12	0	18.30	0.068	18.19	0.066	18.33	0.068
5	64QAM	12	7	18.33	0.068	18.12	0.065	18.19	0.066
5	64QAM	12	13	18.49	0.071	18.02	0.063	17.98	0.063
5	64QAM	25	0	18.20	0.066	17.98	0.063	18.09	0.064

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REPORT No.: SZ21010412W07

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132072		132322		132572	
Frequency (MHz)				1720		1745		1770	
				dBm	W	dBm	W	dBm	W
20	QPSK	1	0	19.90	0.098	20.06	0.101	19.95	0.099
20	QPSK	1	49	19.76	0.095	19.89	0.097	19.92	0.098
20	QPSK	1	99	19.86	0.097	19.87	0.097	19.86	0.097
20	QPSK	50	0	19.07	0.081	19.17	0.083	19.08	0.081
20	QPSK	50	24	19.04	0.080	18.98	0.079	18.77	0.075
20	QPSK	50	50	19.09	0.081	19.15	0.082	19.08	0.081
20	QPSK	100	0	19.10	0.081	19.12	0.082	19.03	0.080
20	16QAM	1	0	19.03	0.080	18.58	0.072	18.71	0.074
20	16QAM	1	49	18.78	0.076	18.73	0.075	18.87	0.077
20	16QAM	1	99	18.87	0.077	18.92	0.078	18.81	0.076
20	16QAM	50	0	18.76	0.075	18.78	0.076	18.72	0.074
20	16QAM	50	24	18.80	0.076	18.84	0.077	18.73	0.075
20	16QAM	50	50	18.85	0.077	18.86	0.077	18.80	0.076
20	16QAM	100	0	18.75	0.075	18.83	0.076	18.88	0.077
20	64QAM	1	0	18.58	0.072	18.70	0.074	19.04	0.080
20	64QAM	1	49	19.02	0.080	19.08	0.081	18.67	0.074
20	64QAM	1	99	19.04	0.080	18.72	0.074	18.65	0.073
20	64QAM	50	0	18.55	0.072	18.49	0.071	18.46	0.070
20	64QAM	50	24	18.60	0.072	18.63	0.073	18.55	0.072
20	64QAM	50	50	18.65	0.073	18.62	0.073	18.62	0.073
20	64QAM	100	0	18.57	0.072	18.50	0.071	18.61	0.073

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REPORT No.: SZ21010412W07

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132047		132322		132597	
Frequency (MHz)				1717.5		1745		1772.5	
				dBm	W	dBm	W	dBm	W
15	QPSK	1	0	19.65	0.092	19.81	0.096	19.76	0.095
15	QPSK	1	37	19.81	0.096	19.97	0.099	19.81	0.096
15	QPSK	1	74	19.77	0.095	19.96	0.099	19.82	0.096
15	QPSK	36	0	18.80	0.076	18.87	0.077	18.86	0.077
15	QPSK	36	20	18.91	0.078	18.93	0.078	18.90	0.078
15	QPSK	36	39	18.86	0.077	18.89	0.077	18.86	0.077
15	QPSK	75	0	18.82	0.076	18.94	0.078	18.90	0.078
15	16QAM	1	0	18.83	0.076	18.85	0.077	18.87	0.077
15	16QAM	1	37	19.00	0.079	18.95	0.079	18.96	0.079
15	16QAM	1	74	18.96	0.079	18.94	0.078	18.90	0.078
15	16QAM	36	0	18.70	0.074	18.67	0.074	18.70	0.074
15	16QAM	36	20	18.84	0.077	18.89	0.077	18.73	0.075
15	16QAM	36	39	18.79	0.076	18.76	0.075	18.81	0.076
15	16QAM	75	0	18.80	0.076	18.76	0.075	18.78	0.076
15	64QAM	1	0	18.56	0.072	18.57	0.072	18.62	0.073
15	64QAM	1	37	19.01	0.080	18.71	0.074	18.64	0.073
15	64QAM	1	74	18.99	0.079	18.68	0.074	18.73	0.075
15	64QAM	36	0	18.53	0.071	18.55	0.072	18.50	0.071
15	64QAM	36	20	18.63	0.073	18.51	0.071	18.57	0.072
15	64QAM	36	39	18.50	0.071	18.60	0.072	18.65	0.073
15	64QAM	75	0	18.65	0.073	18.61	0.073	18.58	0.072

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LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				132022		132322		132622	
Frequency (MHz)				1715		1745		1775	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.73	0.094	19.82	0.096	19.67	0.093
10	QPSK	1	25	19.91	0.098	19.90	0.098	20.00	0.100
10	QPSK	1	49	19.85	0.097	19.96	0.099	19.91	0.098
10	QPSK	25	0	18.88	0.077	18.86	0.077	18.86	0.077
10	QPSK	25	12	18.91	0.078	18.94	0.078	18.95	0.079
10	QPSK	25	25	18.86	0.077	18.94	0.078	18.88	0.077
10	QPSK	50	0	18.85	0.077	18.93	0.078	18.79	0.076
10	16QAM	1	0	18.86	0.077	19.22	0.084	18.81	0.076
10	16QAM	1	25	19.06	0.081	19.04	0.080	18.99	0.079
10	16QAM	1	49	18.89	0.077	18.94	0.078	18.80	0.076
10	16QAM	25	0	18.86	0.077	18.75	0.075	18.78	0.076
10	16QAM	25	12	18.91	0.078	18.88	0.077	18.99	0.079
10	16QAM	25	25	18.75	0.075	18.78	0.076	18.84	0.077
10	16QAM	50	0	18.73	0.075	18.66	0.073	18.65	0.073
10	64QAM	1	0	18.57	0.072	18.91	0.078	18.90	0.078
10	64QAM	1	25	18.86	0.077	18.76	0.075	18.77	0.075
10	64QAM	1	49	18.79	0.076	18.64	0.073	18.75	0.075
10	64QAM	25	0	18.46	0.070	18.54	0.071	18.45	0.070
10	64QAM	25	12	18.55	0.072	18.59	0.072	18.58	0.072
10	64QAM	25	25	18.54	0.071	18.46	0.070	18.61	0.073
10	64QAM	50	0	18.53	0.071	18.55	0.072	18.47	0.070

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REPORT No.: SZ21010412W07

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131997		132322		132647	
Frequency (MHz)				1712.5		1745		1777.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.79	0.095	19.80	0.095	19.72	0.094
5	QPSK	1	12	19.74	0.094	19.78	0.095	19.67	0.093
5	QPSK	1	24	19.69	0.093	19.64	0.092	19.69	0.093
5	QPSK	12	0	18.60	0.072	18.97	0.079	18.64	0.073
5	QPSK	12	7	18.66	0.073	18.63	0.073	18.53	0.071
5	QPSK	12	13	18.76	0.075	18.79	0.076	18.76	0.075
5	QPSK	25	0	18.71	0.074	18.73	0.075	18.70	0.074
5	16QAM	1	0	18.52	0.071	18.62	0.073	18.80	0.076
5	16QAM	1	12	18.67	0.074	18.53	0.071	18.81	0.076
5	16QAM	1	24	18.61	0.073	18.92	0.078	18.57	0.072
5	16QAM	12	0	18.46	0.070	18.56	0.072	18.49	0.071
5	16QAM	12	7	18.51	0.071	18.43	0.070	18.54	0.071
5	16QAM	12	13	18.59	0.072	18.64	0.073	18.47	0.070
5	16QAM	25	0	18.47	0.070	18.59	0.072	18.57	0.072
5	64QAM	1	0	18.75	0.075	18.59	0.072	18.32	0.068
5	64QAM	1	12	18.69	0.074	18.66	0.073	18.71	0.074
5	64QAM	1	24	18.67	0.074	18.72	0.074	18.63	0.073
5	64QAM	12	0	18.41	0.069	18.42	0.070	18.47	0.070
5	64QAM	12	7	18.46	0.070	18.47	0.070	18.47	0.070
5	64QAM	12	13	18.50	0.071	18.57	0.072	18.42	0.070
5	64QAM	25	0	18.43	0.070	18.40	0.069	18.52	0.071

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REPORT No.: SZ21010412W07

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131987		132322		132657	
Frequency (MHz)				1711.5		1745		1778.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.62	0.092	19.71	0.094	19.71	0.094
3	QPSK	1	8	19.72	0.094	19.69	0.093	19.73	0.094
3	QPSK	1	14	19.66	0.092	19.73	0.094	19.73	0.094
3	QPSK	8	0	18.69	0.074	18.78	0.076	18.80	0.076
3	QPSK	8	4	18.77	0.075	18.84	0.077	18.79	0.076
3	QPSK	8	7	18.80	0.076	18.83	0.076	18.87	0.077
3	QPSK	15	0	18.86	0.077	18.79	0.076	18.81	0.076
3	16QAM	1	0	19.02	0.080	19.13	0.082	19.20	0.083
3	16QAM	1	8	18.84	0.077	18.95	0.079	18.93	0.078
3	16QAM	1	14	18.88	0.077	18.88	0.077	19.10	0.081
3	16QAM	8	0	18.47	0.070	18.58	0.072	18.60	0.072
3	16QAM	8	4	18.54	0.071	18.57	0.072	18.56	0.072
3	16QAM	8	7	18.60	0.072	18.58	0.072	18.47	0.070
3	16QAM	15	0	18.55	0.072	18.63	0.073	18.55	0.072
3	64QAM	1	0	18.65	0.073	18.62	0.073	18.50	0.071
3	64QAM	1	8	18.55	0.072	18.70	0.074	18.79	0.076
3	64QAM	1	14	18.54	0.071	18.66	0.073	18.72	0.074
3	64QAM	8	0	18.39	0.069	18.47	0.070	18.46	0.070
3	64QAM	8	4	18.50	0.071	18.49	0.071	18.56	0.072
3	64QAM	8	7	18.54	0.071	18.45	0.070	18.47	0.070
3	64QAM	15	0	18.39	0.069	18.49	0.071	18.44	0.070

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REPORT No.: SZ21010412W07

LTE Band 66				Measured E.I.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				131979		132322		132665	
Frequency (MHz)				1710.7		1745		1779.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.76	0.095	19.80	0.095	19.73	0.094
1.4	QPSK	1	3	19.87	0.097	19.86	0.097	19.88	0.097
1.4	QPSK	1	5	19.76	0.095	19.81	0.096	19.77	0.095
1.4	QPSK	3	0	19.71	0.094	19.84	0.096	19.82	0.096
1.4	QPSK	3	1	19.92	0.098	19.92	0.098	19.93	0.098
1.4	QPSK	3	3	19.87	0.097	19.89	0.097	19.85	0.097
1.4	QPSK	6	0	18.85	0.077	18.82	0.076	18.80	0.076
1.4	16QAM	1	0	18.89	0.077	18.83	0.076	18.68	0.074
1.4	16QAM	1	3	18.70	0.074	19.13	0.082	18.80	0.076
1.4	16QAM	1	5	18.82	0.076	18.83	0.076	18.82	0.076
1.4	16QAM	3	0	18.66	0.073	18.69	0.074	18.70	0.074
1.4	16QAM	3	1	18.82	0.076	18.90	0.078	18.74	0.075
1.4	16QAM	3	3	18.65	0.073	18.79	0.076	18.79	0.076
1.4	16QAM	6	0	18.58	0.072	18.78	0.076	18.68	0.074
1.4	64QAM	1	0	18.41	0.069	18.56	0.072	18.40	0.069
1.4	64QAM	1	3	18.53	0.071	18.46	0.070	18.51	0.071
1.4	64QAM	1	5	18.69	0.074	18.72	0.074	18.68	0.074
1.4	64QAM	3	0	18.59	0.072	18.60	0.072	18.43	0.070
1.4	64QAM	3	1	18.57	0.072	18.81	0.076	18.66	0.073
1.4	64QAM	3	3	18.59	0.072	18.43	0.070	18.59	0.072
1.4	64QAM	6	0	18.55	0.072	18.56	0.072	18.43	0.070

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REPORT No.: SZ21010412W07

Bottom Antenna

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20450		20525		20600	
Frequency (MHz)				829		836.5		844	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	18.41	0.069	18.54	0.071	18.25	0.067
10	QPSK	1	25	18.28	0.067	18.39	0.069	18.41	0.069
10	QPSK	1	49	18.29	0.067	18.22	0.066	18.16	0.065
10	QPSK	25	0	17.27	0.053	17.39	0.055	17.28	0.053
10	QPSK	25	12	17.31	0.054	17.30	0.054	17.26	0.053
10	QPSK	25	25	17.39	0.055	17.26	0.053	17.35	0.054
10	QPSK	50	0	17.35	0.054	17.30	0.054	17.38	0.055
10	16QAM	1	0	17.66	0.058	17.36	0.054	17.75	0.060
10	16QAM	1	25	17.32	0.054	17.30	0.054	17.34	0.054
10	16QAM	1	49	17.61	0.058	17.42	0.055	17.55	0.057
10	16QAM	25	0	16.33	0.043	16.31	0.043	16.38	0.043
10	16QAM	25	12	16.39	0.044	16.32	0.043	16.39	0.044
10	16QAM	25	25	16.35	0.043	16.38	0.043	16.32	0.043
10	16QAM	50	0	16.38	0.043	16.37	0.043	16.29	0.043
10	64QAM	1	0	16.47	0.044	16.68	0.047	16.42	0.044
10	64QAM	1	25	16.38	0.043	16.60	0.046	16.61	0.046
10	64QAM	1	49	16.63	0.046	16.49	0.045	16.29	0.043
10	64QAM	25	0	16.30	0.043	16.28	0.042	16.27	0.042
10	64QAM	25	12	16.40	0.044	16.28	0.042	16.22	0.042
10	64QAM	25	25	16.28	0.042	16.38	0.043	16.27	0.042
10	64QAM	50	0	16.35	0.043	16.36	0.043	16.31	0.043

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REPORT No.: SZ21010412W07

LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20425		20525		20625	
Frequency (MHz)				826.5		836.5		846.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.29	0.067	18.14	0.065	18.16	0.065
5	QPSK	1	12	18.33	0.068	18.12	0.065	18.18	0.066
5	QPSK	1	24	18.27	0.067	18.28	0.067	18.04	0.064
5	QPSK	12	0	17.39	0.055	17.33	0.054	17.27	0.053
5	QPSK	12	7	17.32	0.054	17.30	0.054	17.27	0.053
5	QPSK	12	13	17.35	0.054	17.27	0.053	17.28	0.053
5	QPSK	25	0	17.33	0.054	17.38	0.055	17.27	0.053
5	16QAM	1	0	17.43	0.055	17.45	0.056	17.73	0.059
5	16QAM	1	12	17.44	0.055	17.49	0.056	17.37	0.055
5	16QAM	1	24	17.34	0.054	17.28	0.053	17.75	0.060
5	16QAM	12	0	16.27	0.042	16.21	0.042	16.37	0.043
5	16QAM	12	7	16.41	0.044	16.39	0.044	16.31	0.043
5	16QAM	12	13	16.34	0.043	16.39	0.044	16.37	0.043
5	16QAM	25	0	16.41	0.044	16.38	0.043	16.16	0.041
5	64QAM	1	0	16.61	0.046	16.68	0.047	16.41	0.044
5	64QAM	1	12	16.62	0.046	16.58	0.045	16.35	0.043
5	64QAM	1	24	16.49	0.045	16.52	0.045	16.40	0.044
5	64QAM	12	0	16.26	0.042	16.23	0.042	16.24	0.042
5	64QAM	12	7	16.38	0.043	16.31	0.043	16.24	0.042
5	64QAM	12	13	16.29	0.043	16.28	0.042	16.34	0.043
5	64QAM	25	0	16.27	0.042	16.35	0.043	16.29	0.043

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LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20415		20525		20635	
Frequency (MHz)				825.5		836.5		847.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.21	0.066	18.12	0.065	18.09	0.064
3	QPSK	1	8	18.28	0.067	18.18	0.066	18.10	0.065
3	QPSK	1	14	18.10	0.065	18.18	0.066	18.14	0.065
3	QPSK	8	0	17.30	0.054	17.24	0.053	17.29	0.054
3	QPSK	8	4	17.29	0.054	17.27	0.053	17.27	0.053
3	QPSK	8	7	17.33	0.054	17.31	0.054	17.28	0.053
3	QPSK	15	0	17.26	0.053	17.30	0.054	17.17	0.052
3	16QAM	1	0	17.47	0.056	17.67	0.058	17.44	0.055
3	16QAM	1	8	17.73	0.059	17.67	0.058	17.40	0.055
3	16QAM	1	14	17.56	0.057	17.59	0.057	17.36	0.054
3	16QAM	8	0	16.32	0.043	16.26	0.042	16.38	0.043
3	16QAM	8	4	16.46	0.044	16.30	0.043	16.16	0.041
3	16QAM	8	7	16.18	0.041	16.31	0.043	16.32	0.043
3	16QAM	15	0	16.33	0.043	16.39	0.044	16.31	0.043
3	64QAM	1	0	16.51	0.045	16.41	0.044	16.41	0.044
3	64QAM	1	8	16.42	0.044	16.31	0.043	16.58	0.045
3	64QAM	1	14	16.42	0.044	16.58	0.045	16.52	0.045
3	64QAM	8	0	16.36	0.043	16.19	0.042	16.14	0.041
3	64QAM	8	4	16.25	0.042	16.53	0.045	16.20	0.042
3	64QAM	8	7	16.42	0.044	16.23	0.042	16.30	0.043
3	64QAM	15	0	16.31	0.043	16.30	0.043	16.23	0.042

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LTE Band 5				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				20407		20525		20643	
Frequency (MHz)				824.7		836.5		848.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.11	0.065	18.12	0.065	18.13	0.065
1.4	QPSK	1	3	18.18	0.066	18.15	0.065	18.13	0.065
1.4	QPSK	1	5	18.05	0.064	18.15	0.065	18.03	0.064
1.4	QPSK	3	0	18.13	0.065	18.13	0.065	18.12	0.065
1.4	QPSK	3	1	18.15	0.065	18.15	0.065	18.09	0.064
1.4	QPSK	3	3	18.08	0.064	18.19	0.066	18.02	0.063
1.4	QPSK	6	0	17.18	0.052	17.19	0.052	17.15	0.052
1.4	16QAM	1	0	17.66	0.058	17.46	0.056	17.41	0.055
1.4	16QAM	1	3	17.77	0.060	17.75	0.060	17.42	0.055
1.4	16QAM	1	5	17.75	0.060	17.55	0.057	17.37	0.055
1.4	16QAM	3	0	17.10	0.051	17.14	0.052	17.25	0.053
1.4	16QAM	3	1	17.15	0.052	17.22	0.053	17.25	0.053
1.4	16QAM	3	3	17.12	0.052	17.13	0.052	17.11	0.051
1.4	16QAM	6	0	16.63	0.046	16.42	0.044	16.35	0.043
1.4	64QAM	1	0	16.72	0.047	16.48	0.044	16.46	0.044
1.4	64QAM	1	3	16.35	0.043	16.72	0.047	16.43	0.044
1.4	64QAM	1	5	16.61	0.046	16.61	0.046	16.31	0.043
1.4	64QAM	3	0	16.42	0.044	16.49	0.045	16.39	0.044
1.4	64QAM	3	1	16.33	0.043	16.33	0.043	16.46	0.044
1.4	64QAM	3	3	16.52	0.045	16.41	0.044	16.41	0.044
1.4	64QAM	6	0	16.43	0.044	16.35	0.043	16.61	0.046

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LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23060		23095		23130	
Frequency (MHz)				704		707.5		711	
				dBm	W	dBm	W	dBm	W
10	QPSK	1	0	19.78	0.095	19.61	0.091	19.65	0.092
10	QPSK	1	25	19.66	0.092	19.53	0.090	19.45	0.088
10	QPSK	1	49	19.52	0.090	19.70	0.093	19.57	0.091
10	QPSK	25	0	18.77	0.075	18.69	0.074	18.69	0.074
10	QPSK	25	12	18.67	0.074	18.59	0.072	18.74	0.075
10	QPSK	25	25	18.69	0.074	18.60	0.072	18.71	0.074
10	QPSK	50	0	18.81	0.076	18.60	0.072	18.77	0.075
10	16QAM	1	0	18.83	0.076	18.85	0.077	18.95	0.079
10	16QAM	1	25	18.80	0.076	18.97	0.079	18.67	0.074
10	16QAM	1	49	18.90	0.078	18.91	0.078	18.97	0.079
10	16QAM	25	0	18.59	0.072	18.61	0.073	18.49	0.071
10	16QAM	25	12	18.72	0.074	18.49	0.071	18.38	0.069
10	16QAM	25	25	18.34	0.068	18.43	0.070	18.40	0.069
10	16QAM	50	0	18.64	0.073	18.52	0.071	18.47	0.070
10	64QAM	1	0	18.23	0.067	18.41	0.069	18.49	0.071
10	64QAM	1	25	18.47	0.070	18.41	0.069	18.34	0.068
10	64QAM	1	49	18.43	0.070	18.52	0.071	18.53	0.071
10	64QAM	25	0	18.62	0.073	18.49	0.071	18.60	0.072
10	64QAM	25	12	18.49	0.071	18.43	0.070	18.34	0.068
10	64QAM	25	25	18.40	0.069	18.49	0.071	18.42	0.070
10	64QAM	50	0	18.49	0.071	18.43	0.070	18.46	0.070

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23035		23095		23155	
Frequency (MHz)				701.5		707.5		713.5	
			dBm		W	dBm	W	dBm	W
5	QPSK	1	0	19.53	0.090	19.45	0.088	19.55	0.090
5	QPSK	1	12	19.54	0.090	19.65	0.092	19.56	0.090
5	QPSK	1	24	19.61	0.091	19.75	0.094	19.48	0.089
5	QPSK	12	0	18.61	0.073	18.70	0.074	18.62	0.073
5	QPSK	12	7	18.68	0.074	18.75	0.075	18.79	0.076
5	QPSK	12	13	18.66	0.073	18.75	0.075	18.62	0.073
5	QPSK	25	0	18.70	0.074	18.74	0.075	18.61	0.073
5	16QAM	1	0	18.81	0.076	18.74	0.075	18.92	0.078
5	16QAM	1	12	18.67	0.074	18.86	0.077	18.84	0.077
5	16QAM	1	24	19.06	0.081	18.75	0.075	19.04	0.080
5	16QAM	12	0	18.67	0.074	18.42	0.070	18.40	0.069
5	16QAM	12	7	18.49	0.071	18.47	0.070	18.45	0.070
5	16QAM	12	13	18.60	0.072	18.42	0.070	18.30	0.068
5	16QAM	25	0	18.47	0.070	18.40	0.069	18.36	0.069
5	64QAM	1	0	18.49	0.071	18.47	0.070	18.47	0.070
5	64QAM	1	12	18.39	0.069	18.19	0.066	18.19	0.066
5	64QAM	1	24	18.41	0.069	18.39	0.069	18.19	0.066
5	64QAM	12	0	18.52	0.071	18.00	0.063	18.36	0.069
5	64QAM	12	7	18.40	0.069	18.46	0.070	18.19	0.066
5	64QAM	12	13	18.47	0.070	18.36	0.069	18.39	0.069
5	64QAM	25	0	18.42	0.070	18.39	0.069	18.42	0.070

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23025		23095		23165	
Frequency (MHz)				700.5		707.5		714.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	19.63	0.092	19.62	0.092	19.56	0.090
3	QPSK	1	8	19.50	0.089	19.78	0.095	19.74	0.094
3	QPSK	1	14	19.45	0.088	19.67	0.093	19.60	0.091
3	QPSK	8	0	18.67	0.074	18.67	0.074	18.59	0.072
3	QPSK	8	4	18.65	0.073	18.68	0.074	18.68	0.074
3	QPSK	8	7	18.60	0.072	18.68	0.074	18.67	0.074
3	QPSK	15	0	18.65	0.073	18.64	0.073	18.60	0.072
3	16QAM	1	0	19.01	0.080	18.74	0.075	18.79	0.076
3	16QAM	1	8	18.90	0.078	18.83	0.076	18.85	0.077
3	16QAM	1	14	18.87	0.077	18.95	0.079	18.96	0.079
3	16QAM	8	0	18.42	0.070	18.47	0.070	18.47	0.070
3	16QAM	8	4	18.47	0.070	18.36	0.069	18.39	0.069
3	16QAM	8	7	18.42	0.070	18.16	0.065	18.17	0.066
3	16QAM	15	0	18.31	0.068	18.46	0.070	18.28	0.067
3	64QAM	1	0	18.44	0.070	18.39	0.069	18.47	0.070
3	64QAM	1	8	18.46	0.070	18.38	0.069	18.40	0.069
3	64QAM	1	14	18.48	0.070	18.35	0.068	18.29	0.067
3	64QAM	8	0	18.42	0.070	18.57	0.072	18.42	0.070
3	64QAM	8	4	18.47	0.070	18.46	0.070	18.39	0.069
3	64QAM	8	7	18.42	0.070	18.31	0.068	18.38	0.069
3	64QAM	15	0	18.41	0.069	18.57	0.072	18.46	0.070

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REPORT No.: SZ21010412W07

LTE Band 12				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23017		23095		23173	
Frequency (MHz)				699.7		707.5		715.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.47	0.089	19.57	0.091	19.57	0.091
1.4	QPSK	1	3	19.55	0.090	19.60	0.091	19.57	0.091
1.4	QPSK	1	5	19.47	0.089	19.54	0.090	19.47	0.089
1.4	QPSK	3	0	19.53	0.090	19.57	0.091	19.51	0.089
1.4	QPSK	3	1	19.55	0.090	19.53	0.090	19.57	0.091
1.4	QPSK	3	3	19.50	0.089	19.57	0.091	19.45	0.088
1.4	QPSK	6	0	18.59	0.072	18.58	0.072	18.58	0.072
1.4	16QAM	1	0	18.80	0.076	19.09	0.081	18.75	0.075
1.4	16QAM	1	3	18.79	0.076	18.96	0.079	18.77	0.075
1.4	16QAM	1	5	18.94	0.078	19.04	0.080	18.95	0.079
1.4	16QAM	3	0	18.58	0.072	18.57	0.072	18.61	0.073
1.4	16QAM	3	1	18.69	0.074	18.60	0.072	18.74	0.075
1.4	16QAM	3	3	18.56	0.072	18.53	0.071	18.63	0.073
1.4	16QAM	6	0	18.50	0.071	18.51	0.071	18.67	0.074
1.4	64QAM	1	0	18.49	0.071	18.49	0.071	18.75	0.075
1.4	64QAM	1	3	18.67	0.074	18.56	0.072	18.72	0.074
1.4	64QAM	1	5	18.68	0.074	18.75	0.075	18.68	0.074
1.4	64QAM	3	0	18.56	0.072	18.67	0.074	18.81	0.076
1.4	64QAM	3	1	18.64	0.073	18.61	0.073	18.74	0.075
1.4	64QAM	3	3	18.55	0.072	18.64	0.073	18.62	0.073
1.4	64QAM	6	0	18.40	0.069	18.60	0.072	18.49	0.071

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REPORT No.: SZ21010412W07

LTE Band 13				Measured E.R.P.				
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.	Middle Ch. / Freq.	High Ch. / Freq.		
Channel				/	23230		/	
Frequency (MHz)				/	782		/	
				dBm	W	dBm	W	dBm
10	QPSK	1	0	/	/	19.52	0.090	/
10	QPSK	1	25	/	/	19.84	0.096	/
10	QPSK	1	49	/	/	19.45	0.088	/
10	QPSK	25	0	/	/	18.51	0.071	/
10	QPSK	25	12	/	/	18.59	0.072	/
10	QPSK	25	25	/	/	18.60	0.072	/
10	QPSK	50	0	/	/	18.58	0.072	/
10	16QAM	1	0	/	/	18.65	0.073	/
10	16QAM	1	25	/	/	18.82	0.076	/
10	16QAM	1	49	/	/	18.65	0.073	/
10	16QAM	25	0	/	/	18.51	0.071	/
10	16QAM	25	12	/	/	18.60	0.072	/
10	16QAM	25	25	/	/	18.69	0.074	/
10	16QAM	50	0	/	/	18.67	0.074	/
10	64QAM	1	0	/	/	18.41	0.069	/
10	64QAM	1	25	/	/	18.22	0.066	/
10	64QAM	1	49	/	/	18.47	0.070	/
10	64QAM	25	0	/	/	17.64	0.058	/
10	64QAM	25	12	/	/	17.61	0.058	/
10	64QAM	25	25	/	/	17.57	0.057	/
10	64QAM	50	0	/	/	17.47	0.056	/

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REPORT No.: SZ21010412W07

LTE Band 13				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23205		23230		23255	
Frequency (MHz)				779.5		782		784.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.40	0.087	19.56	0.090	19.58	0.091
5	QPSK	1	12	19.44	0.088	19.50	0.089	19.46	0.088
5	QPSK	1	24	19.56	0.090	19.65	0.092	19.57	0.091
5	QPSK	12	0	18.53	0.071	18.57	0.072	18.53	0.071
5	QPSK	12	7	18.65	0.073	18.54	0.071	18.65	0.073
5	QPSK	12	13	18.64	0.073	18.58	0.072	18.58	0.072
5	QPSK	25	0	18.68	0.074	18.52	0.071	18.61	0.073
5	16QAM	1	0	18.75	0.075	18.62	0.073	18.66	0.073
5	16QAM	1	12	18.83	0.076	18.84	0.077	18.86	0.077
5	16QAM	1	24	19.11	0.081	18.90	0.078	18.76	0.075
5	16QAM	12	0	18.60	0.072	18.60	0.072	18.60	0.072
5	16QAM	12	7	18.49	0.071	18.57	0.072	18.50	0.071
5	16QAM	12	13	18.42	0.070	18.46	0.070	18.39	0.069
5	16QAM	25	0	18.53	0.071	18.58	0.072	18.47	0.070
5	64QAM	1	0	18.83	0.076	18.30	0.068	18.61	0.073
5	64QAM	1	12	18.20	0.066	18.47	0.070	18.71	0.074
5	64QAM	1	24	18.51	0.071	18.46	0.070	18.48	0.070
5	64QAM	12	0	17.47	0.056	17.67	0.058	17.54	0.057
5	64QAM	12	7	17.71	0.059	17.56	0.057	17.59	0.057
5	64QAM	12	13	17.67	0.058	17.67	0.058	17.60	0.058
5	64QAM	25	0	17.69	0.059	17.65	0.058	17.64	0.058

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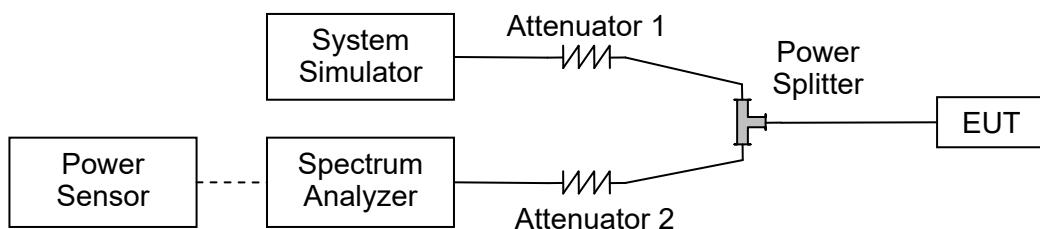
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2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test Procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

2.2.4. Test Result



LTE Band 2				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.09	1.25
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.71	3.01
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.71	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	4.96
	Low	16QAM	4.51	4.96
	Low	64QAM	4.50	4.97
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.50	4.96
	High	QPSK	4.50	4.97
	High	16QAM	4.51	5.02
	High	64QAM	4.51	4.98
10	Low	QPSK	9.02	9.86
	Low	16QAM	8.97	9.74
	Low	64QAM	8.98	9.82
	Mid	QPSK	9.01	9.86
	Mid	16QAM	8.98	9.76
	Mid	64QAM	8.99	9.84
	High	QPSK	9.02	9.83
	High	16QAM	8.98	9.78
	High	64QAM	8.99	9.82



15	Low	QPSK	13.48	14.67
	Low	16QAM	13.47	14.69
	Low	64QAM	13.48	14.64
	Mid	QPSK	13.51	15.80
	Mid	16QAM	13.49	15.15
	Mid	64QAM	13.47	14.82
	High	QPSK	13.52	14.72
	High	16QAM	13.52	14.86
	High	64QAM	13.53	14.95
20	Low	QPSK	17.94	19.50
	Low	16QAM	18.00	19.59
	Low	64QAM	17.96	19.54
	Mid	QPSK	18.00	19.58
	Mid	16QAM	18.02	19.56
	Mid	64QAM	18.01	19.43
	High	QPSK	18.07	20.28
	High	16QAM	18.04	19.64
	High	64QAM	18.02	19.54



LTE Band 4				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.23
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.98
	Low	16QAM	2.70	3.02
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.71	2.98
	High	QPSK	2.70	2.98
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.00
5	Low	QPSK	4.51	4.99
	Low	16QAM	4.51	5.00
	Low	64QAM	4.50	4.96
	Mid	QPSK	4.50	4.97
	Mid	16QAM	4.51	5.00
	Mid	64QAM	4.50	4.97
	High	QPSK	4.50	5.00
	High	16QAM	4.51	4.98
	High	64QAM	4.51	4.97
10	Low	QPSK	9.02	9.81
	Low	16QAM	8.99	9.73
	Low	64QAM	9.00	9.90
	Mid	QPSK	9.01	9.82
	Mid	16QAM	8.98	9.77
	Mid	64QAM	8.98	9.76
	High	QPSK	9.00	9.82
	High	16QAM	8.97	9.75
	High	64QAM	9.01	9.85



15	Low	QPSK	13.52	14.67
	Low	16QAM	13.49	14.70
	Low	64QAM	13.49	14.70
	Mid	QPSK	13.49	14.70
	Mid	16QAM	13.48	14.64
	Mid	64QAM	13.47	14.64
	High	QPSK	13.50	14.76
	High	16QAM	13.49	14.65
	High	64QAM	13.47	14.71
20	Low	QPSK	17.96	19.48
	Low	16QAM	17.97	19.42
	Low	64QAM	18.00	19.55
	Mid	QPSK	17.95	19.68
	Mid	16QAM	17.92	19.37
	Mid	64QAM	17.98	19.44
	High	QPSK	17.99	19.53
	High	16QAM	18.00	19.64
	High	64QAM	18.04	19.55



LTE Band 5				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.25
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	2.99
	Low	16QAM	2.70	3.00
	Low	64QAM	2.71	3.02
	Mid	QPSK	2.70	2.96
	Mid	16QAM	2.70	3.01
	Mid	64QAM	2.70	3.01
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.00
	High	64QAM	2.71	3.00
5	Low	QPSK	4.50	5.00
	Low	16QAM	4.51	4.96
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.51	5.00
	Mid	16QAM	4.50	4.96
	Mid	64QAM	4.51	4.97
	High	QPSK	4.51	5.00
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.95
10	Low	QPSK	8.99	9.79
	Low	16QAM	8.97	9.75
	Low	64QAM	8.97	9.75
	Mid	QPSK	8.99	9.81
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.98	9.78
	High	QPSK	8.98	9.83
	High	16QAM	8.96	9.79
	High	64QAM	8.97	9.84



LTE Band 12				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.10	1.24
	Low	16QAM	1.10	1.24
	Low	64QAM	1.09	1.24
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.10	1.24
	Mid	64QAM	1.09	1.24
	High	QPSK	1.09	1.24
	High	16QAM	1.09	1.24
	High	64QAM	1.09	1.24
3	Low	QPSK	2.70	3.00
	Low	16QAM	2.70	3.01
	Low	64QAM	2.71	3.01
	Mid	QPSK	2.70	2.99
	Mid	16QAM	2.70	3.02
	Mid	64QAM	2.70	3.00
	High	QPSK	2.70	3.00
	High	16QAM	2.70	3.01
	High	64QAM	2.71	3.01
5	Low	QPSK	4.50	5.01
	Low	16QAM	4.50	4.95
	Low	64QAM	4.50	4.95
	Mid	QPSK	4.51	4.97
	Mid	16QAM	4.51	4.96
	Mid	64QAM	4.50	4.97
	High	QPSK	4.51	4.99
	High	16QAM	4.50	4.96
	High	64QAM	4.50	4.97
10	Low	QPSK	9.00	9.80
	Low	16QAM	8.96	9.78
	Low	64QAM	8.98	9.83
	Mid	QPSK	9.00	9.82
	Mid	16QAM	8.97	9.76
	Mid	64QAM	8.97	9.81
	High	QPSK	8.98	9.78
	High	16QAM	8.95	9.76
	High	64QAM	8.97	9.78



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LTE Band 13				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
5	Low	QPSK	4.50	4.98
	Low	16QAM	4.49	4.99
	Low	64QAM	4.49	4.97
	Mid	QPSK	4.50	4.98
	Mid	16QAM	4.51	4.99
	Mid	64QAM	4.50	4.99
	High	QPSK	4.50	4.97
	High	16QAM	4.51	4.98
	High	64QAM	4.50	4.97
10	Mid	QPSK	8.96	9.78
	Mid	16QAM	8.96	9.74
	Mid	64QAM	8.98	9.78

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LTE Band 66				
BW(MHz)	Channel Level	Modulation	99% BW(MHz)	26dB BW(MHz)
1.4	Low	QPSK	1.09	1.23
	Low	16QAM	1.10	1.23
	Low	64QAM	1.09	1.23
	Mid	QPSK	1.09	1.24
	Mid	16QAM	1.09	1.23
	Mid	64QAM	1.09	1.23
	High	QPSK	1.09	1.24
	High	16QAM	1.10	1.23
	High	64QAM	1.09	1.23
3	Low	QPSK	2.69	2.98
	Low	16QAM	2.70	2.99
	Low	64QAM	2.70	2.97
	Mid	QPSK	2.70	3.00
	Mid	16QAM	2.70	3.00
	Mid	64QAM	2.70	2.99
	High	QPSK	2.70	2.98
	High	16QAM	2.69	3.00
	High	64QAM	2.69	2.98
5	Low	QPSK	4.50	4.94
	Low	16QAM	4.51	4.97
	Low	64QAM	4.51	4.98
	Mid	QPSK	4.49	4.96
	Mid	16QAM	4.50	4.94
	Mid	64QAM	4.51	4.94
	High	QPSK	4.50	4.98
	High	16QAM	4.50	4.97
	High	64QAM	4.51	4.95
10	Low	QPSK	8.99	9.74
	Low	16QAM	8.98	9.70
	Low	64QAM	8.99	9.80
	Mid	QPSK	9.03	9.83
	Mid	16QAM	8.97	9.77
	Mid	64QAM	8.99	9.78
	High	QPSK	9.03	9.76
	High	16QAM	8.97	9.76
	High	64QAM	9.00	9.80



15	Low	QPSK	13.50	14.64
	Low	16QAM	13.49	14.56
	Low	64QAM	13.47	14.72
	Mid	QPSK	13.49	16.72
	Mid	16QAM	13.50	16.19
	Mid	64QAM	13.47	16.34
	High	QPSK	13.53	14.82
	High	16QAM	13.52	15.53
	High	64QAM	13.51	14.85
20	Low	QPSK	17.98	19.36
	Low	16QAM	17.99	19.28
	Low	64QAM	17.97	19.39
	Mid	QPSK	18.01	19.49
	Mid	16QAM	18.01	19.61
	Mid	64QAM	18.05	19.60
	High	QPSK	18.11	20.83
	High	16QAM	18.08	19.47
	High	64QAM	18.10	19.55

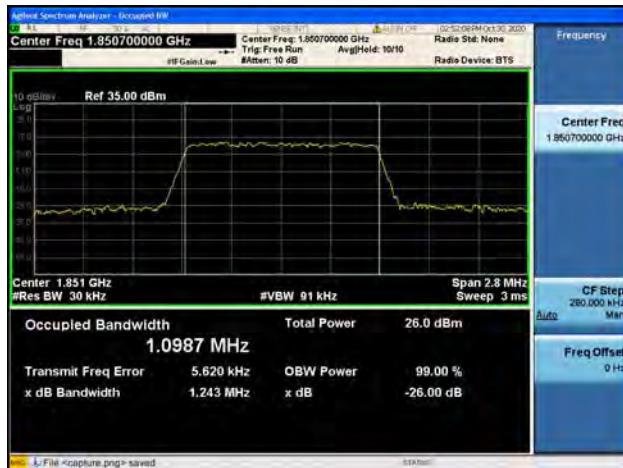


REPORT No.: SZ21010412W07

Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



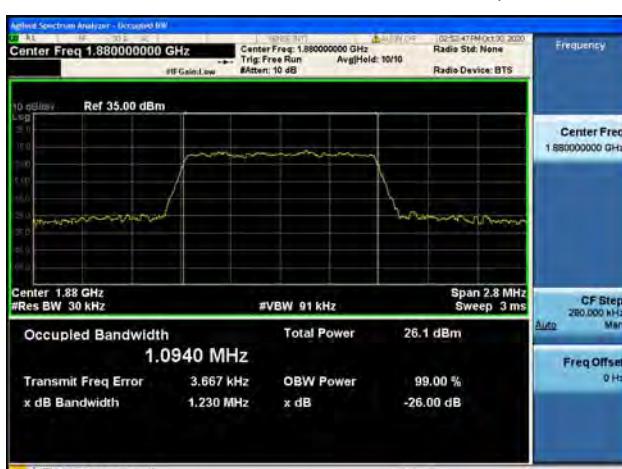
Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / Mid CH / 64QAM



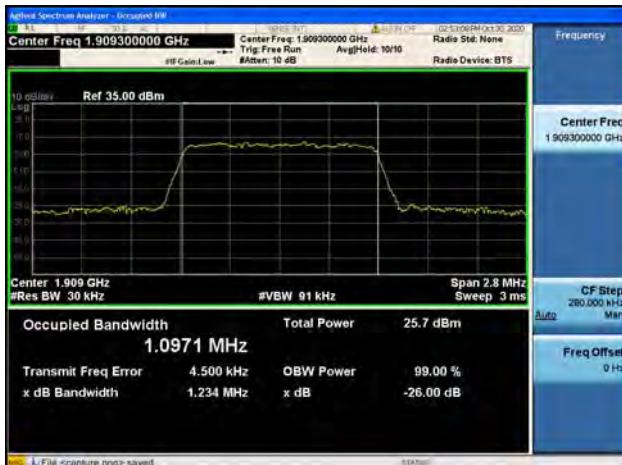


REPORT No.: SZ21010412W07

Band2 / 1.4MHz / High CH / QPSK



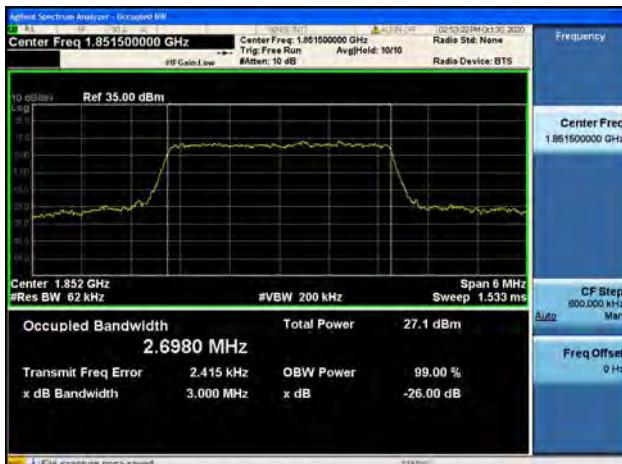
Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Low CH / 64QAM



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