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ANNEX A - MEASUREMENT RESULTS

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MAXIMUM OUTPUT POWER

Antenna gain (dBi) 3 05

7 (110) 1110	yairi (ubi)	3.05							
		LTE	Band 2_Uplin	k frequ	ency ba	ınd : 1850 to 1	1910 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	22.93	25.98	33	-7.02
	18607	1850.7	QPSK	1	5	22.58	25.63	33	-7.37
	10007	1030.1	QISIN	3	2	22.83	25.88	33	-7.12
				6	0	21.95	25.00	33	-8
				1	0	23.03	26.08	33	-6.92
1.4	18900	1880	QPSK	1	5	22.78	25.83	33	-7.17
1	10000	1000	QI OIX	3	2	22.85	25.90	33	-7.1
				6	0	22.05	25.10	33	-7.9
	19193	1909.3	QPSK	1	0	22.90	25.95	33	-7.05
				1	5	22.61	25.66	33	-7.34
				3	2	22.78	25.83	33	-7.17
				6	0	21.82	24.87	33	-8.13
				1	0	21.98	25.03	33	-7.97
	18607	1850.7	16QAM	1	5	21.86	24.91	33	-8.09
				3	2	21.98	25.03	33	-7.97
				6	0	21.04	24.09	33	-8.91
				1	0	22.06	25.11	33	-7.89
1.4	18900	1880	16QAM	1	5	22.06	25.11	33	-7.89
			,	3	2	22.02	25.07	33	-7.93
				6	0	21.11	24.16	33	-8.84
				1	0	21.97	25.02	33	-7.98
	19193	1909.3	16QAM	1	5	21.86	24.91	33	-8.09
	19190	1909.3	IOQAW	3	2	21.84	24.89	33	-8.11
				6	0	20.95	24.00	33	-9

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Antenna gain (dBi)

3.05

	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
		LTE	Band 2_Uplin	k frequ	ency ba	nd : 1850 to 1	1910 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	22.95	26.00	33	-7		
	18615	1851.5	QPSK	1	14	22.90	25.95	33	-7.05		
	10013	1001.0	QP3N	8	4	22.05	25.10	33	-7.9		
				15	0	22.00	25.05	33	-7.95		
				1	0	22.97	26.02	33	-6.98		
3	18900	1880	QPSK	1	14	22.95	26.00	33	-7		
]	10900	1000	QFSN	8	4	22.12	25.17	33	-7.83		
				15	0	22.09	25.14	33	-7.86		
		1908.5	QPSK	1	0	22.71	25.76	33	-7.24		
	19185			1	14	22.74	25.79	33	-7.21		
				8	4	21.97	25.02	33	-7.98		
				15	0	21.89	24.94	33	-8.06		
				1	0	22.17	25.22	33	-7.78		
	18615	1851.5	16QAM	1	14	22.08	25.13	33	-7.87		
	10010	1001.0	1000/11/1	8	4	21.10	24.15	33	-8.85		
				15	0	21.08	24.13	33	-8.87		
				1	0	22.29	25.34	33	-7.66		
3	18900	1880	16QAM	1	14	22.28	25.33	33	-7.67		
	10000	1000	1000	8	4	21.09	24.14	33	-8.86		
				15	0	21.13	24.18	33	-8.82		
				1	0	22.06	25.11	33	-7.89		
	19185	1908.5	16QAM	1	14	21.92	24.97	33	-8.03		
	19185	1908.5	16QAM	8	4	21.05	24.10	33	-8.9		
				15	0	20.95	24.00	33	-9		

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Antenna gain (dBi)

3.05

	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
		LTE	Band 2_Uplin	k frequ	ency ba	nd : 1850 to 1	1910 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	22.97	26.02	33	-6.98		
	18625	1852.5	QPSK	1	24	22.95	26.00	33	-7		
	10023	1002.0	QP3N	12	6	22.00	25.05	33	-7.95		
				25	0	22.04	25.09	33	-7.91		
				1	0	23.04	26.09	33	-6.91		
5	18900	1880	QPSK	1	24	22.97	26.02	33	-6.98		
3	10900	1000	QF3N	12	6	22.09	25.14	33	-7.86		
				25	0	22.09	25.14	33	-7.86		
		1907.5	QPSK	1	0	22.83	25.88	33	-7.12		
	19175			1	24	22.79	25.84	33	-7.16		
				12	6	21.92	24.97	33	-8.03		
				25	0	21.92	24.97	33	-8.03		
				1	0	22.13	25.18	33	-7.82		
	18625	1852.5	16QAM	1	24	22.09	25.14	33	-7.86		
	10020	1002.0	100/11/1	12	6	21.12	24.17	33	-8.83		
				25	0	21.05	24.10	33	-8.9		
				1	0	22.10	25.15	33	-7.85		
5	18900	1880	16QAM	1	24	22.03	25.08	33	-7.92		
	10000	1000	1000/11/1	12	6	21.11	24.16	33	-8.84		
				25	0	21.13	24.18	33	-8.82		
				1	0	21.93	24.98	33	-8.02		
	19175	1907.5	16QAM	1	24	21.92	24.97	33	-8.03		
	19175	1907.5	16QAM	12	6	21.02	24.07	33	-8.93		
				25	0	20.94	23.99	33	-9.01		

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Antenna gain (dBi)

3.05

		LTE	Band 2_Uplin	k frequ	ency ba	nd : 1850 to 1	1910 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.00	26.05	33	-6.95
	18650	1855	QPSK	1	49	22.94	25.99	33	-7.01
	10000	1000	QP5K	25	12	22.11	25.16	33	-7.84
				50	0	22.03	25.08	33	-7.92
				1	0	23.05	26.10	33	-6.9
10	18900	1880	QPSK	1	49	22.97	26.02	33	-6.98
10	10900	1000	QF3N	25	12	22.14	25.19	33	-7.81
				50	0	22.16	25.21	33	-7.79
		1905	QPSK	1	0	22.85	25.90	33	-7.1
	19150			1	49	22.82	25.87	33	-7.13
				25	12	21.93	24.98	33	-8.02
				50	0	22.03	25.08	33	-7.92
				1	0	22.18	25.23	33	-7.77
	18650	1855	16QAM	1	49	22.17	25.22	33	-7.78
	10000	1000	1000/11/1	25	12	21.10	24.15	33	-8.85
				50	0	21.05	24.10	33	-8.9
				1	0	22.25	25.30	33	-7.7
10	18900	1880	16QAM	1	49	22.08	25.13	33	-7.87
				25	12	21.17	24.22	33	-8.78
				50	0	21.12	24.17	33	-8.83
				1	0	22.08	25.13	33	-7.87
	19150	1905	16QAM	1	49	22.03	25.08	33	-7.92
	19150	1905	16QAM	25	12	20.94	23.99	33	-9.01
				50	0	21.00	24.05	33	-8.95

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Antenna gain (dBi)

3.05

		LTE	Band 2_Uplin	k frequ	ency ba	nd : 1850 to '	1910 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
				1	0	23.06	26.11	33	-6.89	
	18675	1857.5	QPSK	1	74	22.91	25.96	33	-7.04	
	10073	1007.0	QP3N	36	18	22.09	25.14	33	-7.86	
				75	0	22.03	25.08	33	-7.92	
				1	0	23.05	26.10	33	-6.9	
15	18900	1880	QPSK	1	74	22.79	25.84	33	-7.16	
13	10300	1000	QISIN	36	18	22.14	25.19	33	-7.81	
				75	0	22.13	25.18	33	-7.82	
	19125	1902.5	QPSK	1	0	22.81	25.86	33	-7.14	
				1	74	22.72	25.77	33	-7.23	
				36	18	21.95	25.00	33	-8	
				75	0	22.02	25.07	33	-7.93	
				1	0	22.19	25.24	33	-7.76	
	18675	1857.5	16QAM	1	74	22.11	25.16	33	-7.84	
	10070	1007.0	100/11/1	36	18	21.12	24.17	33	-8.83	
				75	0	21.07	24.12	33	-8.88	
				1	0	22.25	25.30	33	-7.7	
15	18900	1880	16QAM	1	74	22.03	25.08	33	-7.92	
10	10000	1000	100/11/1	36	18	21.15	24.20	33	-8.8	
				75	0	21.12	24.17	33	-8.83	
				1	0	22.07	25.12	33	-7.88	
	19125	1902.5	16QAM	1	74	21.99	25.04	33	-7.96	
	10120	1902.5	16QAM	36	18	21.01	24.06	33	-8.94	
				75	0	21.03	24.08	33	-8.92	

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Antenna gain (dBi)

3.05

	LTE Band 2_Uplink frequency band : 1850 to 1910 MHz										
		LTE	Band 2_Uplin	k frequ	ency ba	nd : 1850 to 1	1910 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	23.01	26.06	33	-6.94		
	18700	1860	QPSK	1	99	23.00	26.05	33	-6.95		
	10700	1000	QP3N	50	25	22.23	25.28	33	-7.72		
				100	0	22.10	25.15	33	-7.85		
				1	0	22.99	26.04	33	-6.96		
20	18900	1880	QPSK	1	99	22.97	26.02	33	-6.98		
20	10900	1000	QFSN	50	25	22.22	25.27	33	-7.73		
				100	0	22.11	25.16	33	-7.84		
	19100	1900	QPSK	1	0	22.91	25.96	33	-7.04		
				1	99	22.82	25.87	33	-7.13		
				50	25	22.03	25.08	33	-7.92		
				100	0	22.01	25.06	33	-7.94		
				1	0	22.15	25.20	33	-7.8		
	18700	1860	16QAM	1	99	21.87	24.92	33	-8.08		
	10700	1000	100/11/1	50	25	21.13	24.18	33	-8.82		
				100	0	20.93	23.98	33	-9.02		
				1	0	22.27	25.32	33	-7.68		
20	18900	1880	16QAM	1	99	22.24	25.29	33	-7.71		
20	10000	1000	100/11/1	50	25	21.18	24.23	33	-8.77		
				100	0	21.09	24.14	33	-8.86		
				1	0	22.09	25.14	33	-7.86		
	19100	1900	16QAM	1	99	22.14	25.19	33	-7.81		
	19100	1900	16QAM	50	25	21.05	24.10	33	-8.9		
				100	0	20.97	24.02	33	-8.98		

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Antenna gain (dBi)

3 4

	9411 (421)								
		LTE	Band 4_Uplin	k frequ	ency ba	and : 1710 to 1	1755 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.08	26.48	30	-3.52
	19957	1710.7	QPSK	1	5	23.00	26.40	30	-3.6
	19901	17 10.7	QF3N	3	2	22.86	26.26	30	-3.74
				6	0	21.99	25.39	30	-4.61
				1	0	23.00	26.40	30	-3.6
1.4	20175	1732.5	QPSK	1	5	22.89	26.29	30	-3.71
1.4	20173	1732.3	QI SIN	3	2	22.74	26.14	30	-3.86
				6	0	21.99	25.39	30	-4.61
	20393	1754.3	QPSK	1	0	23.04	26.44	30	-3.56
				1	5	22.53	25.93	30	-4.07
				3	2	22.93	26.33	30	-3.67
				6	0	22.00	25.40	30	-4.6
				1	0	22.04	25.44	30	-4.56
	19957	1710.7	16QAM	1	5	22.05	25.45	30	-4.55
	10007	17 10.7	100/11/1	3	2	22.11	25.51	30	-4.49
				6	0	21.15	24.55	30	-5.45
				1	0	22.15	25.55	30	-4.45
1.4	20175	1732.5	16QAM	1	5	22.08	25.48	30	-4.52
'.'	20170	1702.0	10001111	3	2	21.96	25.36	30	-4.64
				6	0	21.02	24.42	30	-5.58
				1	0	22.30	25.70	30	-4.3
	20393	1754.3	16QAM	1	5	22.03	25.43	30	-4.57
	20393	1754.3	16QAM —	3	2	22.07	25.47	30	-4.53
				6	0	21.10	24.50	30	-5.5

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Antenna gain (dBi)

3 4

	9411 (421)								
		LTE	Band 4_Uplin	k frequ	ency ba	and: 1710 to 1	1755 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.07	26.47	30	-3.53
	19965	1711.5	QPSK	1	14	22.96	26.36	30	-3.64
	19900	1711.5	QP3N	8	4	22.13	25.53	30	-4.47
				15	0	22.06	25.46	30	-4.54
				1	0	22.95	26.35	30	-3.65
3	20175	1732.5	QPSK	1	14	22.91	26.31	30	-3.69
3	20173	1732.3	QI SIN	8	4	22.04	25.44	30	-4.56
				15	0	22.05	25.45	30	-4.55
	20385	85 1753.5	QPSK	1	0	23.03	26.43	30	-3.57
				1	14	22.94	26.34	30	-3.66
				8	4	22.05	25.45	30	-4.55
				15	0	22.02	25.42	30	-4.58
				1	0	22.37	25.77	30	-4.23
	19965	1711.5	16QAM	1	14	22.32	25.72	30	-4.28
	10000		100,	8	4	21.31	24.71	30	-5.29
				15	0	21.09	24.49	30	-5.51
				1	0	22.15	25.55	30	-4.45
3	20175	1732.5	16QAM	1	14	22.06	25.46	30	-4.54
				8	4	21.15	24.55	30	-5.45
				15	0	21.13	24.53	30	-5.47
				1	0	22.17	25.57	30	-4.43
	20385	1753.5	16QAM	1	14	22.14	25.54	30	-4.46
		1/53.5	16QAW	8	4	21.20	24.60	30	-5.4
				15	0	21.07	24.47	30	-5.53

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Antenna gain (dBi)

	LTE Band 4_Uplink frequency band : 1710 to 1755 MHz										
		LTE	Band 4_Uplin	k frequ	ency ba	ind : 1710 to 1	1755 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	23.06	26.46	30	-3.54		
	19975	1712.5	QPSK	1	24	22.99	26.39	30	-3.61		
	19975	1712.5	QP5K	12	6	22.10	25.50	30	-4.5		
				25	0	22.05	25.45	30	-4.55		
				1	0	22.95	26.35	30	-3.65		
5	20175	1732.5	QPSK	1	24	22.91	26.31	30	-3.69		
3	20173	1732.3	QFSN	12	6	22.08	25.48	30	-4.52		
				25	0	22.01	25.41	30	-4.59		
	20375	1752.5	QPSK	1	0	22.98	26.38	30	-3.62		
				1	24	22.90	26.30	30	-3.7		
				12	6	22.00	25.40	30	-4.6		
				25	0	21.94	25.34	30	-4.66		
				1	0	22.25	25.65	30	-4.35		
	19975	1712.5	16QAM	1	24	21.96	25.36	30	-4.64		
	10070	17 12.0	100/11/1	12	6	21.21	24.61	30	-5.39		
				25	0	21.12	24.52	30	-5.48		
				1	0	22.19	25.59	30	-4.41		
5	20175	1732.5	16QAM	1	24	22.03	25.43	30	-4.57		
	20170	1702.0	100/11/1	12	6	21.10	24.50	30	-5.5		
				25	0	21.09	24.49	30	-5.51		
				1	0	22.32	25.72	30	-4.28		
	20375	1752 5	16QAM	1	24	22.18	25.58	30	-4.42		
		1752.5	16QAM	12	6	21.06	24.46	30	-5.54		
				25	0	21.01	24.41	30	-5.59		

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Antenna gain (dBi)

		LTE	Band 4_Uplin	k frequ	ency ba	nd : 1710 to '	1755 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	23.04	26.44	30	-3.56		
	20000	1715	QPSK	1	49	22.95	26.35	30	-3.65		
	20000	1715	QP5K	25	12	22.08	25.48	30	-4.52		
				50	0	22.04	25.44	30	-4.56		
				1	0	23.01	26.41	30	-3.59		
10	20175	1732.5	QPSK	1	49	22.88	26.28	30	-3.72		
10	20173	1732.3	QF3N	25	12	22.05	25.45	30	-4.55		
				50	0	22.09	25.49	30	-4.51		
	20350	1750	QPSK	1	0	22.97	26.37	30	-3.63		
				1	49	22.90	26.30	30	-3.7		
				25	12	21.76	25.16	30	-4.84		
				50	0	21.95	25.35	30	-4.65		
				1	0	22.31	25.71	30	-4.29		
	20000	1715	16QAM	1	49	22.22	25.62	30	-4.38		
	20000	1710	100/11/1	25	12	21.12	24.52	30	-5.48		
				50	0	21.11	24.51	30	-5.49		
				1	0	22.32	25.72	30	-4.28		
10	20175	1732.5	16QAM	1	49	22.09	25.49	30	-4.51		
	20170	1702.0	100/11/1	25	12	21.11	24.51	30	-5.49		
				50	0	21.08	24.48	30	-5.52		
				1	0	22.13	25.53	30	-4.47		
	20350	1750	16QAM	1	49	22.18	25.58	30	-4.42		
	20350	1750	16QAM	25	12	21.05	24.45	30	-5.55		
				50	0	21.03	24.43	30	-5.57		

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Antenna gain (dBi)

	9411 (421)	V · ·							
		LTE	Band 4_Uplin	k frequ	ency ba	and: 1710 to 1	1755 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	22.91	26.31	30	-3.69
	20025	1717.5	QPSK	1	74	22.89	26.29	30	-3.71
	20025	1717.5	QP3N	36	18	22.14	25.54	30	-4.46
				75	0	22.05	25.45	30	-4.55
				1	0	23.03	26.43	30	-3.57
15	20175	1732.5	QPSK	1	74	22.74	26.14	30	-3.86
13	20173	1732.3	QI SIN	36	18	22.05	25.45	30	-4.55
				75	0	22.01	25.41	30	-4.59
	20325	1747.5	QPSK	1	0	23.07	26.47	30	-3.53
				1	74	23.06	26.46	30	-3.54
				36	18	22.04	25.44	30	-4.56
				75	0	22.09	25.49	30	-4.51
				1	0	22.31	25.71	30	-4.29
	20025	1717.5	16QAM	1	74	21.97	25.37	30	-4.63
	20020		100,	36	18	21.18	24.58	30	-5.42
				75	0	21.04	24.44	30	-5.56
				1	0	22.31	25.71	30	-4.29
15	20175	1732.5	16QAM	1	74	22.07	25.47	30	-4.53
				36	18	21.10	24.50	30	-5.5
				75	0	21.08	24.48	30	-5.52
				1	0	22.30	25.70	30	-4.3
	20325	1747.5	16QAM	1	74	22.17	25.57	30	-4.43
	20325	1/4/.5	TOQAM	36	18	21.06	24.46	30	-5.54
				75	0	21.13	24.53	30	-5.47

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Antenna gain (dBi)

	9411 (421)	0							
		LTE	Band 4_Uplin	k frequ	ency ba	ınd : 1710 to 1	1755 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	22.97	26.37	30	-3.63
	20050	1720	QPSK	1	99	22.92	26.32	30	-3.68
	20050	1720	QF3N	50	25	22.05	25.45	30	-4.55
				100	0	21.98	25.38	30	-4.62
				1	0	23.06	26.46	30	-3.54
20	20175	1732.5	QPSK	1	99	22.84	26.24	30	-3.76
20	20173	173 1732.3	QF3N	50	25	22.11	25.51	30	-4.49
				100	0	22.02	25.42	30	-4.58
	20300		QPSK	1	0	23.04	26.44	30	-3.56
		1745		1	99	22.94	26.34	30	-3.66
	20000			50	25	22.10	25.50	30	-4.5
				100	0	22.12	25.52	30	-4.48
				1	0	21.94	25.34	30	-4.66
	20050	1720	16QAM	1	99	21.90	25.30	30	-4.7
	20000	1720	100/11/1	50	25	21.03	24.43	30	-5.57
				100	0	20.99	24.39	30	-5.61
				1	0	22.39	25.79	30	-4.21
20	20175	1732.5	16QAM	1	99	21.90	25.30	30	-4.7
	20170	1702.0	1000/1111	50	25	21.13	24.53	30	-5.47
				100	0	21.05	24.45	30	-5.55
				1	0	22.28	25.68	30	-4.32
	20300	300 1745	16QAM	1	99	22.25	25.65	30	-4.35
	20300			50	25	21.18	24.58	30	-5.42
				100	0	21.12	24.52	30	-5.48

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Antenna gain (dBi)

7 ti ito i i i a	gairi (ubi)	3.2								
			LTE Band	5_Uplii	nk frequ	ency band : 8	824 to 849 MF	lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.57	25.77	23.62	38.45	-14.83
	20407	824.7	QPSK	1	5	22.41	25.61	23.46	38.45	-14.99
	20407	024.7	QF3N	3	2	22.48	25.68	23.53	38.45	-14.92
				6	0	21.66	24.86	22.71	38.45	-15.74
				1	0	22.56	25.76	23.61	38.45	-14.84
1.4	20525	836.5	QPSK	1	5	22.54	25.74	23.59	38.45	-14.86
1.7	20020	000.0	QIOIN	3	2	22.56	25.76	23.61	38.45	-14.84
			6	0	21.63	24.83	22.68	38.45	-15.77	
		848.3	QPSK	1	0	22.52	25.72	23.57	38.45	-14.88
	20643			1	5	22.46	25.66	23.51	38.45	-14.94
	20040			3	2	22.47	25.67	23.52	38.45	-14.93
				6	0	21.51	24.71	22.56	38.45	-15.89
				1	0	21.65	24.85	22.70	38.45	-15.75
	20407	824.7	16QAM	1	5	21.72	24.92	22.77	38.45	-15.68
	20107	024.7	10071111	3	2	21.54	24.74	22.59	38.45	-15.86
				6	0	20.66	23.86	21.71	38.45	-16.74
				1	0	21.62	24.82	22.67	38.45	-15.78
1.4	20525	836.5	16QAM	1	5	21.52	24.72	22.57	38.45	-15.88
'	20020	000.0	100,111	3	2	21.61	24.81	22.66	38.45	-15.79
				6	0	20.67	23.87	21.72	38.45	-16.73
				1	0	21.56	24.76	22.61	38.45	-15.84
	20643	848.3	16QAM	1	5	21.56	24.76	22.61	38.45	-15.84
	20643 848.3	100,111	3	2	21.52	24.72	22.57	38.45	-15.88	
				6	0	20.55	23.75	21.60	38.45	-16.85

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Antenna gain (dBi)

Antenna gam (ubi)		3.2								
			LTE Band	5_Uplii	nk frequ	ency band : 8	324 to 849 MF	łz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.51	25.71	23.56	38.45	-14.89
	20415	825.5	QPSK	1	14	22.33	25.53	23.38	38.45	-15.07
	20413	023.3	QF3N	8	4	21.64	24.84	22.69	38.45	-15.76
				15	0	21.54	24.74	22.59	38.45	-15.86
				1	0	22.62	25.82	23.67	38.45	-14.78
3	20525	836.5	QPSK	1	14	22.41	25.61	23.46	38.45	-14.99
	20020	,20 000.3	QIOIN	8	4	21.68	24.88	22.73	38.45	-15.72
				15	0	21.71	24.91	22.76	38.45	-15.69
			1	0	22.52	25.72	23.57	38.45	-14.88	
	20635	847.5	QPSK	1	14	22.47	25.67	23.52	38.45	-14.93
	20000			8	4	21.59	24.79	22.64	38.45	-15.81
				15	0	21.61	24.81	22.66	38.45	-15.79
				1	0	21.72	24.92	22.77	38.45	-15.68
	20415	825.5	16QAM	1	14	21.63	24.83	22.68	38.45	-15.77
	20110	020.0	1000/11/1	8	4	20.68	23.88	21.73	38.45	-16.72
				15	0	20.57	23.77	21.62	38.45	-16.83
				1	0	21.93	25.13	22.98	38.45	-15.47
3	20525	836.5	16QAM	1	14	21.80	25.00	22.85	38.45	-15.60
		000.0	''``	8	4	20.81	24.01	21.86	38.45	-16.59
				15	0	20.74	23.94	21.79	38.45	-16.66
				1	0	21.67	24.87	22.72	38.45	-15.73
	20635	847.5	16QAM	1	14	21.74	24.94	22.79	38.45	-15.66
	20635 847.5	''``	8	4	20.62	23.82	21.67	38.45	-16.78	
				15	0	20.63	23.83	21.68	38.45	-16.77

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Antenna gain (dBi)

Antonia	yaiii (ubi)	3.2								
			LTE Band	5_Uplii	nk frequ	ency band : 8	324 to 849 MH	lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.49	25.69	23.54	38.45	-14.91
	20425	826.5	QPSK	1	24	22.39	25.59	23.44	38.45	-15.01
	20423	020.5	QF3N	12	6	21.68	24.88	22.73	38.45	-15.72
				25	0	21.75	24.95	22.80	38.45	-15.65
				1	0	22.57	25.77	23.62	38.45	-14.83
5	20525	836.5	QPSK	1	24	22.54	25.74	23.59	38.45	-14.86
	20020		QIOIN	12	6	21.42	24.62	22.47	38.45	-15.98
				25	0	21.66	24.86	22.71	38.45	-15.74
		846.5	QPSK	1	0	22.40	25.60	23.45	38.45	-15.00
	20625			1	24	22.20	25.40	23.25	38.45	-15.20
	20020			12	6	21.64	24.84	22.69	38.45	-15.76
				25	0	21.46	24.66	22.51	38.45	-15.94
				1	0	21.65	24.85	22.70	38.45	-15.75
	20425	826.5	16QAM	1	24	21.67	24.87	22.72	38.45	-15.73
	20120	020.0	1000/11/1	12	6	20.73	23.93	21.78	38.45	-16.67
				25	0	20.70	23.90	21.75	38.45	-16.70
				1	0	21.80	25.00	22.85	38.45	-15.60
5	20525	836.5	16QAM	1	24	21.81	25.01	22.86	38.45	-15.59
		333.5	''••	12	6	20.73	23.93	21.78	38.45	-16.67
				25	0	20.73	23.93	21.78	38.45	-16.67
				1	0	21.74	24.94	22.79	38.45	-15.66
	20625	846.5	16QAM	1	24	21.65	24.85	22.70	38.45	-15.75
	20625 846.5	16QAW	12	6	20.67	23.87	21.72	38.45	-16.73	
				25	0	20.59	23.79	21.64	38.45	-16.81

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Antenna gain (dBi)

7 (110711104	gairi (abi)	5.2								
			LTE Band	5_Uplii	nk frequ	ency band : 8	824 to 849 MF	lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.57	25.77	23.62	38.45	-14.83
	20450	829	QPSK	1	49	22.42	25.62	23.47	38.45	-14.98
	20430	029	QF3N	25	12	21.68	24.88	22.73	38.45	-15.72
				50	0	21.69	24.89	22.74	38.45	-15.71
				1	0	22.53	25.73	23.58	38.45	-14.87
10	20525	836.5	QPSK	1	49	22.43	25.63	23.48	38.45	-14.97
10	20020	030.3	QIOIN	25	12	21.70	24.90	22.75	38.45	-15.70
				50	0	21.73	24.93	22.78	38.45	-15.67
		844	QPSK	1	0	22.49	25.69	23.54	38.45	-14.91
	20600			1	49	22.39	25.59	23.44	38.45	-15.01
	20000			25	12	21.54	24.74	22.59	38.45	-15.86
				50	0	21.53	24.73	22.58	38.45	-15.87
				1	0	21.80	25.00	22.85	38.45	-15.60
	20450	829	16QAM	1	49	21.76	24.96	22.81	38.45	-15.64
	20100	020	10071111	25	12	20.52	23.72	21.57	38.45	-16.88
				50	0	20.66	23.86	21.71	38.45	-16.74
				1	0	21.83	25.03	22.88	38.45	-15.57
10	20525	836.5	16QAM	1	49	21.66	24.86	22.71	38.45	-15.74
'`	20020	000.0	100,	25	12	20.62	23.82	21.67	38.45	-16.78
				50	0	20.73	23.93	21.78	38.45	-16.67
				1	0	21.67	24.87	22.72	38.45	-15.73
	20600	844	16QAM	1	49	21.65	24.85	22.70	38.45	-15.75
	20600 844		25	12	20.60	23.80	21.65	38.45	-16.80	
				50	0	20.54	23.74	21.59	38.45	-16.86

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Antenna gain (dBi)

3.12

		LTE	Band 7_Uplin	k frequ	ency ba	ind : 2500 to 2	2570 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.19	26.31	33	-6.69
	20775	2502.5	QPSK	1	24	23.16	26.28	33	-6.72
	20775	2502.5	QP3K	12	6	22.28	25.40	33	-7.6
				25	0	22.28	25.40	33	-7.6
				1	0	23.23	26.35	33	-6.65
5	21100	2535	QPSK	1	24	23.20	26.32	33	-6.68
3	21100	2000	QFSN	12	6	22.34	25.46	33	-7.54
				25	0	22.30	25.42	33	-7.58
	21425		QPSK	1	0	23.15	26.27	33	-6.73
		2567.5		1	24	23.09	26.21	33	-6.79
				12	6	22.22	25.34	33	-7.66
				25	0	22.19	25.31	33	-7.69
				1	0	22.35	25.47	33	-7.53
	20775	2502.5	16QAM	1	24	22.09	25.21	33	-7.79
	20170	2002.0	1000/11/1	12	6	21.32	24.44	33	-8.56
				25	0	21.27	24.39	33	-8.61
				1	0	22.49	25.61	33	-7.39
5	21100	2535	16QAM	1	24	22.56	25.68	33	-7.32
		2000	100,	12	6	21.37	24.49	33	-8.51
	21425 2567.5			25	0	21.35	24.47	33	-8.53
				1	0	22.35	25.47	33	-7.53
		2567.5	16QAM	1	24	21.90	25.02	33	-7.98
				12	6	21.24	24.36	33	-8.64
				25	0	21.26	24.38	33	-8.62

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Antenna gain (dBi)

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		LTE	Band 7_Uplin	k frequ	ency ba	and : 2500 to 2	2570 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.20	26.32	33	-6.68
	20800	2505	QPSK	1	49	23.15	26.27	33	-6.73
	20000	2505	QP5K	25	12	22.31	25.43	33	-7.57
				50	0	22.31	25.43	33	-7.57
				1	0	23.27	26.39	33	-6.61
10	21100	2535	QPSK	1	49	23.23	26.35	33	-6.65
10	21100	2333	QF3N	25	12	22.30	25.42	33	-7.58
				50	0	22.31	25.43	33	-7.57
	21400		QPSK	1	0	23.17	26.29	33	-6.71
		2565		1	49	23.04	26.16	33	-6.84
				25	12	22.24	25.36	33	-7.64
				50	0	22.20	25.32	33	-7.68
				1	0	22.43	25.55	33	-7.45
	20800	2505	16QAM	1	49	22.27	25.39	33	-7.61
	20000	2505	IOQAIVI	25	12	21.30	24.42	33	-8.58
				50	0	21.33	24.45	33	-8.55
				1	0	22.48	25.60	33	-7.4
10	21100	2535	16QAM	1	49	22.32	25.44	33	-7.56
10	21100	2000	IOQAIVI	25	12	21.37	24.49	33	-8.51
				50	0	21.31	24.43	33	-8.57
				1	0	22.42	25.54	33	-7.46
	21400	21400 2565	16QAM	1	49	22.24	25.36	33	-7.64
	21400			25	12	21.22	24.34	33	-8.66
				50	0	21.19	24.31	33	-8.69

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Antenna gain (dBi)

3.12

		LTE	Band 7_Uplin	k frequ	ency ba	nd : 2500 to 2	2570 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.24	26.36	33	-6.64
	20825	2507.5	QPSK	1	74	23.19	26.31	33	-6.69
	20020	2507.5	QP5K	36	18	22.29	25.41	33	-7.59
				75	0	22.29	25.41	33	-7.59
				1	0	23.29	26.41	33	-6.59
15	21100	2535	QPSK	1	74	23.22	26.34	33	-6.66
13	21100	0 2333	QI SIN	36	18	22.32	25.44	33	-7.56
				75	0	22.30	25.42	33	-7.58
	21375		QPSK	1	0	23.22	26.34	33	-6.66
		2562.5		1	74	23.08	26.20	33	-6.8
				36	18	22.24	25.36	33	-7.64
				75	0	22.22	25.34	33	-7.66
				1	0	22.42	25.54	33	-7.46
	20825	2507.5	16QAM	1	74	22.19	25.31	33	-7.69
	20020	2007.0	1000/11/1	36	18	21.30	24.42	33	-8.58
				75	0	21.33	24.45	33	-8.55
				1	0	22.55	25.67	33	-7.33
15	21100	2535	16QAM	1	74	22.41	25.53	33	-7.47
	21100	2000	1000 1111	36	18	21.33	24.45	33	-8.55
				75	0	21.34	24.46	33	-8.54
				1	0	22.46	25.58	33	-7.42
	21375	21375 2562.5	16QAM	1	74	22.34	25.46	33	-7.54
	21375			36	18	21.25	24.37	33	-8.63
				75	0	21.22	24.34	33	-8.66

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Antenna gain (dBi)

3.12

			Daniel 7 III.	I. <i>E</i>			0570 MIL		
		LIE	Band 7_Uplin	k frequ	ency ba	ind: 2500 to 2	25/U MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.24	26.36	33	-6.64
	20850	2510	QPSK	1	99	23.16	26.28	33	-6.72
	20000	2010	QP3N	50	25	22.36	25.48	33	-7.52
				100	0	22.33	25.45	33	-7.55
				1	0	23.24	26.36	33	-6.64
20	21100	2535	QPSK	1	99	23.19	26.31	33	-6.69
20	21100	2555	QI SIN	50	25	22.35	25.47	33	-7.53
				100	0	22.32	25.44	33	-7.56
	21350 256		QPSK	1	0	23.22	26.34	33	-6.66
		2560		1	99	22.99	26.11	33	-6.89
				50	25	22.30	25.42	33	-7.58
				100	0	22.24	25.36	33	-7.64
				1	0	22.53	25.65	33	-7.35
	20850	2510	QPSK	1	99	22.30	25.42	33	-7.58
	20000	2010	Qi Oit	50	25	21.32	24.44	33	-8.56
				100	0	21.27	24.39	33	-8.61
				1	0	22.45	25.57	33	-7.43
20	21100	2535	QPSK	1	99	22.37	25.49	33	-7.51
	21100 2535	2000	Qi Oit	50	25	21.36	24.48	33	-8.52
			100	0	21.34	24.46	33	-8.54	
			1	0	22.42	25.54	33	-7.46	
	21350	2560	QPSK -	1	99	22.12	25.24	33	-7.76
	21350 2560		50	25	21.30	24.42	33	-8.58	
				100	0	21.26	24.38	33	-8.62

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Antenna gain (dBi)

7 ti itorina	gairi (ubi)	2.51								
			LTE Band	12_Upli	nk frequ	uency band :	699 to 716 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.63	25.14	22.99	34.77	-11.78
	23017	699.7	QPSK	1	5	22.57	25.08	22.93	34.77	-11.84
	23017	033.7	QF3N	3	2	22.61	25.12	22.97	34.77	-11.80
				6	0	21.77	24.28	22.13	34.77	-12.64
				1	0	22.70	25.21	23.06	34.77	-11.71
1.4	23095	707.5	QPSK	1	5	22.65	25.16	23.01	34.77	-11.76
1.7	20000	.5095	QIOIN	3	2	22.85	25.36	23.21	34.77	-11.56
				6	0	21.89	24.40	22.25	34.77	-12.52
		715.3	QPSK	1	0	22.75	25.26	23.11	34.77	-11.66
	23173			1	5	22.60	25.11	22.96	34.77	-11.81
	20170			3	2	22.84	25.35	23.20	34.77	-11.57
				6	0	21.83	24.34	22.19	34.77	-12.58
				1	0	21.93	24.44	22.29	34.77	-12.48
	23017	699.7	16QAM	1	5	21.80	24.31	22.16	34.77	-12.61
	20011	000	100,	3	2	21.70	24.21	22.06	34.77	-12.71
				6	0	20.79	23.30	21.15	34.77	-13.62
				1	0	22.03	24.54	22.39	34.77	-12.38
1.4	23095	707.5	16QAM	1	5	21.93	24.44	22.29	34.77	-12.48
				3	2	21.86	24.37	22.22	34.77	-12.55
			6	0	20.98	23.49	21.34	34.77	-13.43	
			1	0	21.89	24.40	22.25	34.77	-12.52	
	23173	715.3	16QAM	1	5	21.60	24.11	21.96	34.77	-12.81
		231/3 /15.3	IOQAW	3	2	21.72	24.23	22.08	34.77	-12.69
				6	0	20.97	23.48	21.33	34.77	-13.44

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Antenna gain (dBi)

7 tintorina ;	gairi (ubi)	2.51								
			LTE Band	12_Upli	nk frequ	uency band :	699 to 716 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.75	25.26	23.11	34.77	-11.66
	23025	700.5	QPSK	1	14	22.66	25.17	23.02	34.77	-11.75
	23023	700.5	QF3N	8	4	21.84	24.35	22.20	34.77	-12.57
				15	0	21.99	24.50	22.35	34.77	-12.42
				1	0	22.91	25.42	23.27	34.77	-11.50
3	23095	707.5	QPSK	1	14	22.57	25.08	22.93	34.77	-11.84
	20000		QIOIN	8	4	21.96	24.47	22.32	34.77	-12.45
				15	0	21.97	24.48	22.33	34.77	-12.44
		714.5	QPSK	1	0	22.85	25.36	23.21	34.77	-11.56
	23165			1	14	22.85	25.36	23.21	34.77	-11.56
	20100			8	4	21.98	24.49	22.34	34.77	-12.43
				15	0	21.89	24.40	22.25	34.77	-12.52
				1	0	21.79	24.30	22.15	34.77	-12.62
	23025	700.5	16QAM	1	14	21.84	24.35	22.20	34.77	-12.57
	20020	700.0	10071111	8	4	20.85	23.36	21.21	34.77	-13.56
				15	0	20.97	23.48	21.33	34.77	-13.44
				1	0	22.04	24.55	22.40	34.77	-12.37
3	23095	707.5	16QAM	1	14	22.10	24.61	22.46	34.77	-12.31
	20000	707.0	100,111	8	4	21.05	23.56	21.41	34.77	-13.36
				15	0	20.99	23.50	21.35	34.77	-13.42
				1	0	22.02	24.53	22.38	34.77	-12.39
	23165	714 5	16QAM	1	14	22.04	24.55	22.40	34.77	-12.37
	23165 714.5	100,111	8	4	21.04	23.55	21.40	34.77	-13.37	
				15	0	20.88	23.39	21.24	34.77	-13.53

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Antenna gain (dBi)

7	gairi (ubi)	2.51								
			LTE Band	12_Upli	nk frequ	uency band :	699 to 716 Mi	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.79	25.30	23.15	34.77	-11.62
	00005	704 5	ODOK	1	24	22.57	25.08	22.93	34.77	-11.84
	23035	701.5	QPSK	12	6	21.96	24.47	22.32	34.77	-12.45
				25	0	21.91	24.42	22.27	34.77	-12.50
				1	0	22.84	25.35	23.20	34.77	-11.57
5	23095	707.5	QPSK	1	24	22.81	25.32	23.17	34.77	-11.60
]	23093	101.5	QF3N	12	6	22.04	24.55	22.40	34.77	-12.37
				25	0	21.97	24.48	22.33	34.77	-12.44
		713.5	QPSK	1	0	22.84	25.35	23.20	34.77	-11.57
	23155			1	24	22.83	25.34	23.19	34.77	-11.58
	20100			12	6	21.89	24.40	22.25	34.77	-12.52
				25	0	21.89	24.40	22.25	34.77	-12.52
				1	0	22.04	24.55	22.40	34.77	-12.37
	23035	701.5	16QAM	1	24	21.80	24.31	22.16	34.77	-12.61
	20000	701.0	10001111	12	6	20.96	23.47	21.32	34.77	-13.45
				25	0	20.95	23.46	21.31	34.77	-13.46
				1	0	22.13	24.64	22.49	34.77	-12.28
5	23095	707.5	16QAM	1	24	22.19	24.70	22.55	34.77	-12.22
				12	6	21.07	23.58	21.43	34.77	-13.34
				25	0	20.98	23.49	21.34	34.77	-13.43
				1	0	22.08	24.59	22.44	34.77	-12.33
	23155	713.5	16QAM	1	24	21.95	24.46	22.31	34.77	-12.46
	23155 /13.5			12	6	20.89	23.40	21.25	34.77	-13.52
				25	0	20.87	23.38	21.23	34.77	-13.54

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Antenna gain (dBi)

Antenna	yaiii (ubi)	2.51								
			LTE Band	12_Upli	nk frequ	uency band :	699 to 716 MI	Ηz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.81	25.32	23.17	34.77	-11.60
	23060	704	QPSK	1	49	22.78	25.29	23.14	34.77	-11.63
	23000	704	QF3N	25	12	22.04	24.55	22.40	34.77	-12.37
				50	0	22.03	24.54	22.39	34.77	-12.38
				1	0	22.89	25.40	23.25	34.77	-11.52
10	23095	707.5	QPSK	1	49	22.81	25.32	23.17	34.77	-11.60
	20000	707.5	Qi Oit	25	12	22.03	24.54	22.39	34.77	-12.38
				50	0	21.93	24.44	22.29	34.77	-12.48
				1	0	22.93	25.44	23.29	34.77	-11.48
	23130	711	QPSK	1	49	22.88	25.39	23.24	34.77	-11.53
	20.00	, , , ,	Q. 5.1	25	12	21.65	24.16	22.01	34.77	-12.76
				50	0	21.92	24.43	22.28	34.77	-12.49
				1	0	22.13	24.64	22.49	34.77	-12.28
	23060	704	16QAM	1	49	22.06	24.57	22.42	34.77	-12.35
	20000	, , ,	100,	25	12	21.01	23.52	21.37	34.77	-13.40
				50	0	21.00	23.51	21.36	34.77	-13.41
				1	0	22.04	24.55	22.40	34.77	-12.37
10	23095	707.5	16QAM	1	49	22.01	24.52	22.37	34.77	-12.40
'				25	12	21.05	23.56	21.41	34.77	-13.36
				50	0	20.96	23.47	21.32	34.77	-13.45
				1	0	22.06	24.57	22.42	34.77	-12.35
	23130	711	16QAM	1	49	22.03	24.54	22.39	34.77	-12.38
				25	12	20.98	23.49	21.34	34.77	-13.43
				50	0	20.93	23.44	21.29	34.77	-13.48

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Antenna gain (dBi)

Antonia	yaiii (ubi)	2.51								
			LTE Band	13_Upli	nk frequ	uency band :	777 to 787 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.90	25.41	23.26	34.77	-11.51
	23205	779.5	QPSK	1	24	22.37	24.88	22.73	34.77	-12.04
	23203	119.5	QF3N	12	6	21.84	24.35	22.20	34.77	-12.57
				25	0	21.84	24.35	22.20	34.77	-12.57
				1	0	22.82	25.33	23.18	34.77	-11.59
5	23230	782	QPSK	1	24	22.77	25.28	23.13	34.77	-11.64
	20200	102	QIOIN	12	6	22.04	24.55	22.40	34.77	-12.37
				25	0	22.02	24.53	22.38	34.77	-12.39
				1	0	22.88	25.39	23.24	34.77	-11.53
	23255	784.5	QPSK	1	24	22.85	25.36	23.21	34.77	-11.56
	20200	701.0	Q. O.	12	6	21.93	24.44	22.29	34.77	-12.48
				25	0	21.97	24.48	22.33	34.77	-12.44
				1	0	22.05	24.56	22.41	34.77	-12.36
	23205	779.5	16QAM	1	24	21.92	24.43	22.28	34.77	-12.49
	20200	110.0	100, 111	12	6	20.84	23.35	21.20	34.77	-13.57
				25	0	20.83	23.34	21.19	34.77	-13.58
				1	0	21.99	24.50	22.35	34.77	-12.42
5	23230	782	16QAM	1	24	21.92	24.43	22.28	34.77	-12.49
			100,	12	6	21.00	23.51	21.36	34.77	-13.41
				25	0	20.99	23.50	21.35	34.77	-13.42
				1	0	22.09	24.60	22.45	34.77	-12.32
	23255	784.5	16QAM	1	24	22.07	24.58	22.43	34.77	-12.34
			100,	12	6	20.95	23.46	21.31	34.77	-13.46
				25	0	20.98	23.49	21.34	34.77	-13.43

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Antenna gain (dBi)

	9 ()									
			LTE Band	13_Upli	nk frequ	uency band :	777 to 787 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.82	25.33	23.18	34.77	-11.59
10	23230	782	QPSK	1	49	22.30	24.81	22.66	34.77	-12.11
	20200	7.02	Q. OIX	25	12	22.04	24.55	22.40	34.77	-12.37
				50	0	22.04	24.55	22.40	34.77	-12.37
				1	0	22.09	24.60	22.45	34.77	-12.32
10	23230	782	16QAM	1	49	21.97	24.48	22.33	34.77	-12.44
	20200	102	100/111	25	12	21.03	23.54	21.39	34.77	-13.38
				50	0	20.95	23.46	21.31	34.77	-13.46

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Antenna gain (dBi)

3.05

		LTE I	Band 25_Uplin	nk frequ	uency b	and : 1850 to	1915 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.06	26.11	33	-6.89
	00047	1050.7	ODCK	1	5	22.99	26.04	33	-6.96
	26047	1850.7	QPSK	3	2	23.04	26.09	33	-6.91
				6	0	22.07	25.12	33	-7.88
				1	0	22.82	25.87	33	-7.13
1.4	26365	1882.5	QPSK	1	5	22.73	25.78	33	-7.22
1.4	20303	1002.5	QF3N	3	2	22.97	26.02	33	-6.98
				6	0	21.99	25.04	33	-7.96
				1	0	22.64	25.69	33	-7.31
	26683	1914.3	QPSK	1	5	22.33	25.38	33	-7.62
	20003	1314.5	QISIN	3	2	22.76	25.81	33	-7.19
				6	0	21.77	24.82	33	-8.18
				1	0	22.27	25.32	33	-7.68
	26047	1850.7	16QAM	1	5	22.26	25.31	33	-7.69
	20047	1000.7	IOQAWI	3	2	22.06	25.11	33	-7.89
				6	0	21.12	24.17	33	-8.83
				1	0	22.14	25.19	33	-7.81
1.4	26365	1882.5	16QAM	1	5	21.94	24.99	33	-8.01
1.4	20303	1002.5	IOQAIVI	3	2	22.01	25.06	33	-7.94
				6	0	21.09	24.14	33	-8.86
				1	0	21.83	24.88	33	-8.12
	26683	1914.3	16QAM	1	5	21.69	24.74	33	-8.26
	20000	1017.0	100/11/1	3	2	21.72	24.77	33	-8.23
				6	0	20.88	23.93	33	-9.07

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Antenna gain (dBi)

3.05

	LTE Band 25_Uplink frequency band : 1850 to 1915 MHz								
		LTE I	Band 25_Uplii	nk frequ	uency b	and: 1850 to	1915 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.02	26.07	33	-6.93
	26055	1851.5	QPSK	1	14	23.01	26.06	33	-6.94
	20000	1001.0	QP5K	8	4	22.13	25.18	33	-7.82
				15	0	22.15	25.20	33	-7.8
				1	0	23.09	26.14	33	-6.86
3	26365	1882.5	QPSK	1	14	22.95	26.00	33	-7
	20303	1002.5	QI SIN	8	4	22.10	25.15	33	-7.85
				15	0	22.11	25.16	33	-7.84
				1	0	22.72	25.77	33	-7.23
	26675	1913.5	QPSK	1	14	22.63	25.68	33	-7.32
	20070	1010.0	QI OIX	8	4	21.79	24.84	33	-8.16
				15	0	21.87	24.92	33	-8.08
				1	0	22.18	25.23	33	-7.77
	26055	1851.5	16QAM	1	14	22.12	25.17	33	-7.83
	20000	1001.0	1000	8	4	21.24	24.29	33	-8.71
				15	0	21.17	24.22	33	-8.78
				1	0	22.02	25.07	33	-7.93
3	26365	1882.5	16QAM	1	14	21.98	25.03	33	-7.97
				8	4	21.15	24.20	33	-8.8
				15	0	21.12	24.17	33	-8.83
				1	0	21.92	24.97	33	-8.03
	26675	1913.5	16QAM	1	14	21.72	24.77	33	-8.23
			,	8	4	20.92	23.97	33	-9.03
				15	0	20.86	23.91	33	-9.09

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Antenna gain (dBi)

3.05

) 	. I. £		l - 4050 (4045 NU		
		LIE	Band 25_Uplii	nk frequ	iency b	and : 1850 to	1915 MHZ		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.05	26.10	33	-6.9
	26065	1852.5	QPSK	1	24	23.04	26.09	33	-6.91
	20000	1002.0	QP5K	12	6	22.14	25.19	33	-7.81
				25	0	22.08	25.13	33	-7.87
				1	0	23.01	26.06	33	-6.94
5	26365	1882.5	QPSK	1	24	22.99	26.04	33	-6.96
3	20303	1002.5	QF3N	12	6	22.11	25.16	33	-7.84
				25	0	22.12	25.17	33	-7.83
				1	0	22.69	25.74	33	-7.26
	26665	1912.5	QPSK	1	24	22.61	25.66	33	-7.34
	20003	1312.3	QIOI	12	6	21.67	24.72	33	-8.28
				25	0	21.72	24.77	33	-8.23
				1	0	22.38	25.43	33	-7.57
	26065	1852.5	16QAM	1	24	22.30	25.35	33	-7.65
	20000	1002.0	100/11/1	12	6	21.14	24.19	33	-8.81
				25	0	21.18	24.23	33	-8.77
				1	0	22.25	25.30	33	-7.7
5	26365	1882.5	16QAM	1	24	22.11	25.16	33	-7.84
	20000	1002.0	100/11/1	12	6	21.16	24.21	33	-8.79
				25	0	21.07	24.12	33	-8.88
				1	0	21.83	24.88	33	-8.12
	26665	1912.5	16QAM	1	24	21.86	24.91	33	-8.09
		1012.0	1000,1111	12	6	20.95	24.00	33	-9
				25	0	20.85	23.90	33	-9.1

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Antenna gain (dBi)

3.05

		<u> </u>							
		LTE I	Band 25_Uplii	nk frequ	uency b	and: 1850 to	1915 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.16	26.21	33	-6.79
	26090	1855	ODCK	1	49	23.11	26.16	33	-6.84
	20090	1000	QPSK	25	12	22.16	25.21	33	-7.79
				50	0	22.14	25.19	33	-7.81
				1	0	23.12	26.17	33	-6.83
10	26365	1882.5	QPSK	1	49	23.05	26.10	33	-6.9
10	20303	1002.5	QF3N	25	12	22.14	25.19	33	-7.81
				50	0	22.17	25.22	33	-7.78
				1	0	22.61	25.66	33	-7.34
	26640	1910	QPSK	1	49	22.52	25.57	33	-7.43
	20040	1310	QIOIN	25	12	21.84	24.89	33	-8.11
				50	0	21.86	24.91	33	-8.09
				1	0	22.49	25.54	33	-7.46
	26090	1855	16QAM	1	49	22.43	25.48	33	-7.52
	20000	1000	1000	25	12	21.19	24.24	33	-8.76
				50	0	21.17	24.22	33	-8.78
				1	0	22.30	25.35	33	-7.65
10	26365	1882.5	16QAM	1	49	22.05	25.10	33	-7.9
		1002.0	100,	25	12	21.14	24.19	33	-8.81
				50	0	21.16	24.21	33	-8.79
				1	0	21.96	25.01	33	-7.99
	26640	1910	16QAM	1	49	21.84	24.89	33	-8.11
			,	25	12	20.92	23.97	33	-9.03
				50	0	20.87	23.92	33	-9.08

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Antenna gain (dBi)

3.05

		LTE I	Band 25_Uplii	nk frequ	iency b	and : 1850 to	1915 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.15	26.20	33	-6.8
	26115	1857.5	QPSK	1	74	23.09	26.14	33	-6.86
	20113	1007.0	QP3N	36	18	22.25	25.30	33	-7.7
				75	0	22.18	25.23	33	-7.77
				1	0	23.09	26.14	33	-6.86
15	26365	1882.5	QPSK	1	74	22.97	26.02	33	-6.98
13	20303	1002.5	QI SIN	36	18	22.13	25.18	33	-7.82
				75	0	22.09	25.14	33	-7.86
				1	0	22.62	25.67	33	-7.33
	26615	1907.5	QPSK	1	74	22.73	25.78	33	-7.22
	20010	1507.0	QI OIX	36	18	21.85	24.90	33	-8.1
				75	0	21.79	24.84	33	-8.16
				1	0	22.39	25.44	33	-7.56
	26115	1857.5	16QAM	1	74	22.25	25.30	33	-7.7
	20110	1007.0	1000/1111	36	18	21.33	24.38	33	-8.62
				75	0	21.18	24.23	33	-8.77
				1	0	22.19	25.24	33	-7.76
15	26365	1882.5	16QAM	1	74	22.16	25.21	33	-7.79
	20000	1002.0	1000	36	18	21.16	24.21	33	-8.79
				75	0	21.11	24.16	33	-8.84
				1	0	22.14	25.19	33	-7.81
	26615	1907.5	16QAM	1	74	21.99	25.04	33	-7.96
				36	18	20.86	23.91	33	-9.09
				75	0	20.81	23.86	33	-9.14

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Antenna gain (dBi)

3.05

		LTE I	Band 25_Uplii	nk frequ	iency b	and : 1850 to	1915 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.14	26.19	33	-6.81
	26140	1860	QPSK	1	99	23.08	26.13	33	-6.87
	20140	1000	QP5K	50	25	22.20	25.25	33	-7.75
				100	0	22.14	25.19	33	-7.81
				1	0	23.06	26.11	33	-6.89
20	26365	1882.5	QPSK	1	99	22.96	26.01	33	-6.99
20	20303	1002.5	QF3N	50	25	22.18	25.23	33	-7.77
				100	0	22.14	25.19	33	-7.81
				1	0	22.74	25.79	33	-7.21
	26590	1905	QPSK	1	99	22.42	25.47	33	-7.53
	20000	1303	QIOIN	50	25	21.87	24.92	33	-8.08
				100	0	21.94	24.99	33	-8.01
				1	0	22.45	25.50	33	-7.5
	26140	1860	16QAM	1	99	22.28	25.33	33	-7.67
	20140	1000	IOQAWI	50	25	21.21	24.26	33	-8.74
				100	0	21.16	24.21	33	-8.79
				1	0	22.40	25.45	33	-7.55
20	26365	1882.5	16QAM	1	99	22.37	25.42	33	-7.58
20	20000	1002.0	IOQAWI	50	25	21.16	24.21	33	-8.79
				100	0	21.10	24.15	33	-8.85
				1	0	22.20	25.25	33	-7.75
	26590	1905	16QAM	1	99	21.85	24.90	33	-8.1
	20000	1000	100/1111	50	25	20.83	23.88	33	-9.12
				100	0	20.93	23.98	33	-9.02

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Antenna gain (dBi)

7 ti itorina	gairi (ubi)	3.2								
		Pa	rt 90S_LTE B	and 26	_Uplink	frequency ba	and: 814 to 82	24 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.71	25.91	23.76	50	-26.24
	26697	814.7	QPSK	1	5	22.67	25.87	23.72	50	-26.28
	20091	014.7	QF3N	3	2	22.57	25.77	23.62	50	-26.38
				6	0	21.84	25.04	22.89	50	-27.11
				1	0	22.74	25.94	23.79	50	-26.21
1.4	26740	819	QPSK	1	5	22.60	25.80	23.65	50	-26.35
1.4	20140	013	Qi Oit	3	2	22.61	25.81	23.66	50	-26.34
				6	0	21.78	24.98	22.83	50	-27.17
				1	0	22.85	26.05	23.90	50	-26.10
	26783	823.3	QPSK	1	5	22.70	25.90	23.75	50	-26.25
	20100	020.0	Qi Oit	3	2	22.74	25.94	23.79	50	-26.21
				6	0	21.92	25.12	22.97	50	-27.03
				1	0	21.66	24.86	22.71	50	-27.29
	26697	814.7	16QAM	1	5	21.80	25.00	22.85	50	-27.15
				3	2	21.75	24.95	22.80	50	-27.20
				6	0	20.90	24.10	21.95	50	-28.05
				1	0	21.81	25.01	22.86	50	-27.14
1.4	26740	819	16QAM	1	5	21.88	25.08	22.93	50	-27.07
				3	2	21.64	24.84	22.69	50	-27.31
				6	0	20.89	24.09	21.94	50	-28.06
				1	0	21.90	25.10	22.95	50	-27.05
	26783	823.3	16QAM	1	5	21.88	25.08	22.93	50	-27.07
				3	2	21.72	24.92	22.77	50	-27.23
				6	0	20.98	24.18	22.03	50	-27.97

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Antenna gain (dBi)

7 11 110 1 11 10 1	gairi (ubi)	3.2								
		Pa	rt 90S_LTE B	and 26	_Uplink	frequency ba	nd : 814 to 8	24 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.73	25.93	23.78	50	-26.22
	26705	815.5	QPSK	1	14	22.63	25.83	23.68	50	-26.32
	20703	013.3	QF3N	8	4	21.93	25.13	22.98	50	-27.02
				15	0	21.97	25.17	23.02	50	-26.98
				1	0	22.89	26.09	23.94	50	-26.06
3	26740	819	QPSK	1	14	22.66	25.86	23.71	50	-26.29
	20740	013	QIOIN	8	4	21.91	25.11	22.96	50	-27.04
				15	0	21.95	25.15	23.00	50	-27.00
				1	0	22.87	26.07	23.92	50	-26.08
	26775	822.5	QPSK	1	14	22.85	26.05	23.90	50	-26.10
	20110	022.0	Qi Oit	8	4	21.92	25.12	22.97	50	-27.03
				15	0	21.98	25.18	23.03	50	-26.97
				1	0	21.90	25.10	22.95	50	-27.05
	26705	815.5	16QAM	1	14	21.75	24.95	22.80	50	-27.20
	20700	010.0	1000/11/1	8	4	20.92	24.12	21.97	50	-28.03
				15	0	20.95	24.15	22.00	50	-28.00
				1	0	22.21	25.41	23.26	50	-26.74
3	26740	819	16QAM	1	14	22.00	25.20	23.05	50	-26.95
				8	4	20.90	24.10	21.95	50	-28.05
				15	0	21.03	24.23	22.08	50	-27.92
				1	0	22.07	25.27	23.12	50	-26.88
	26775	822.5	16QAM	1	14	21.95	25.15	23.00	50	-27.00
				8	4	21.00	24.20	22.05	50	-27.95
				15	0	20.97	24.17	22.02	50	-27.98

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Antenna gain (dBi)

	gairi (abi)	5.2								
		Pa	rt 90S_LTE B	and 26	_Uplink	frequency ba	nd : 814 to 8	24 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.71	25.91	23.76	50	-26.24
	26715	816.5	QPSK	1	24	22.69	25.89	23.74	50	-26.26
	20/13	010.5	QF3N	12	6	21.93	25.13	22.98	50	-27.02
				25	0	21.93	25.13	22.98	50	-27.02
				1	0	22.83	26.03	23.88	50	-26.12
5	26740	819	QPSK	1	24	22.77	25.97	23.82	50	-26.18
	20140	013	QIOIN	12	6	22.04	25.24	23.09	50	-26.91
				25	0	21.96	25.16	23.01	50	-26.99
				1	0	22.72	25.92	23.77	50	-26.23
	26765	821.5	QPSK	1	24	22.69	25.89	23.74	50	-26.26
	20.00	021.0	Q. O.	12	6	21.93	25.13	22.98	50	-27.02
				25	0	21.94	25.14	22.99	50	-27.01
				1	0	22.01	25.21	23.06	50	-26.94
	26715	816.5	16QAM	1	24	22.04	25.24	23.09	50	-26.91
	207.10	010.0	100, 111	12	6	20.90	24.10	21.95	50	-28.05
				25	0	20.94	24.14	21.99	50	-28.01
				1	0	21.96	25.16	23.01	50	-26.99
5	26740	819	16QAM	1	24	21.95	25.15	23.00	50	-27.00
				12	6	21.09	24.29	22.14	50	-27.86
				25	0	21.00	24.20	22.05	50	-27.95
				1	0	22.15	25.35	23.20	50	-26.80
	26765	821.5	16QAM	1	24	22.09	25.29	23.14	50	-26.86
				12	6	21.07	24.27	22.12	50	-27.88
				25	0	20.98	24.18	22.03	50	-27.97

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Antenna gain (dBi)

3.2

Part 90S_LTE Band 26_Uplink frequency band : 814 to 824 MHz										
		Pa	rt 90S_LTE B	and 26	Uplink	frequency ba	and : 814 to 82	24 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.79	25.99	23.84	50	-26.16
10	26740	819	QPSK	1	49	22.73	25.93	23.78	50	-26.22
	201 10	0.10	Q. O.	25	12	22.02	25.22	23.07	50	-26.93
				50	0	22.01	25.21	23.06	50	-26.94
				1	0	21.95	25.15	23.00	50	-27.00
10	26740	819	16QAM	1	49	21.88	25.08	22.93	50	-27.07
	10 20/40 019		100/111	25	12	21.03	24.23	22.08	50	-27.92
				50	0	20.98	24.18	22.03	50	-27.97

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Antenna gain (dBi)

2.5

Antenna	gain (dBi)	2.51								
			LTE Band	26_Upli	nk frequ	uency band :	824 to 849 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset Average (dBm) Average (dBm) Average (dBm) Lir (dBm) 0 22.81 25.32 23.17 38. 5 22.61 25.12 22.97 38. 2 22.53 25.04 22.89 38. 0 21.84 24.35 22.20 38. 0 22.79 25.30 23.15 38. 2 22.61 25.12 22.97 38. 2 22.64 25.15 23.00 38. 0 21.81 24.32 22.17 38. 0 22.79 25.30 23.15 38. 5 22.57 25.08 22.93 38. 2 22.71 25.22 23.07 38. 2 22.71 25.22 23.07 38. 0 21.82 24.33 22.18 38. 0 21.87 24.38 22.23 38. 5 21.79 24.30	ERP Limit (dBm)	Margin (dB)			
				1	0	22.81	25.32	23.17	38.45	-15.28
	26797	824.7	QPSK	1	5	22.61	25.12	22.97	38.45	-15.48
	20131	024.7	QISIN	3	2	22.53	25.04	22.89	38.45	-15.56
				6	0	21.84	24.35	22.20	38.45	-16.25
				1	0		25.30	23.15	38.45	-15.30
1.4	26915	836.5	QPSK	1	_	22.61	25.12	22.97	38.45	-15.48
1.7	20313	000.0	QIOIN	3	2				38.45	-15.45
				6	0	21.81	24.32	22.17	38.45	-16.28
				1	0		25.30		38.45	-15.30
	27033	848.3	QPSK	1	5	22.57	25.08	22.93	38.45	-15.52
	27000	040.0	QIOIN	3	2				38.45	-15.38
				6	0	21.82	24.33	22.18	38.45	-16.27
				1	0			22.23	38.45	-16.22
	26797	824.7	16QAM	1	5	21.79	24.30	22.15	38.45	-16.30
	20131	024.7	IOQAW	3	2	21.74	24.25	22.10	38.45	-16.35
				6	0	20.86	23.37	21.22	38.45	-17.23
				1	0		24.50	22.35	38.45	-16.10
1.4	26915	836.5	16QAM	1		21.66	24.17	22.02	38.45	-16.43
1.7	20313	000.0	IUQAWI	3	2	21.76	24.27	22.12	38.45	-16.33
				6	0	20.90	23.41	21.26	38.45	-17.19
				1	0	21.83	24.34	22.19	38.45	-16.26
	27033	848.3	16QAM	1	5	21.78	24.29	22.14	38.45	-16.31
	27000	040.0	I O G/ \ivi	3	2	21.68	24.19	22.04	38.45	-16.41
				6	0	20.85	23.36	21.21	38.45	-17.24

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Antenna gain (dBi)

Antenna	gain (dBi)	2.51								
			LTE Band	26_Upli	nk frequ	uency band :	824 to 849 MI	·lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.66	25.17	23.02	38.45	-15.43
	26805	825.5	QPSK	1	14	22.61	25.12	22.97	38.45	-15.48
	20003	023.3	QF3N	8	4	21.91	24.42	22.27	38.45	-16.18
				15	0	21.90	24.41	22.26	38.45	-16.19
				1	0	22.75	25.26	23.11	38.45	-15.34
3	26915	836.5	QPSK	1	14	22.73	25.24	23.09	38.45	-15.36
	20313	000.0	QIOIN	8	4	21.90	24.41	22.26	38.45	-16.19
				15	0	21.93	24.44	22.29	38.45	-16.16
				1	0	22.68	25.19	23.04	38.45	-15.41
	27025	847.5	QPSK	1	14	22.66	25.17	23.02	38.45	-15.43
	2.020	011.0	Q. O.	8	4	21.89	24.40	22.25	38.45	-16.20
				15	0	21.90	24.41	22.26	38.45	-16.19
				1	0	22.21	24.72	22.57	38.45	-15.88
	26805	825.5	16QAM	1	14	21.73	24.24	22.09	38.45	-16.36
		020.0		8	4	20.88	23.39	21.24	38.45	-17.21
				15	0	20.91	23.42	21.27	38.45	-17.18
				1	0	21.94	24.45	22.30	38.45	-16.15
3	26915	836.5	16QAM	1	14	21.88	24.39	22.24	38.45	-16.21
				8	4	20.98	23.49	21.34	38.45	-17.11
				15	0	20.93	23.44	21.29	38.45	-17.16
				1	0	21.89	24.40	22.25	38.45	-16.20
	27025	847.5	16QAM	1	14	21.78	24.29	22.14	38.45	-16.31
				8	4	20.92	23.43	21.28	38.45	-17.17
				15	0	20.92	23.43	21.28	38.45	-17.17

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Antenna gain (dBi)

2.51

LTE Band 26_Uplink frequency band : 824 to 849 MHz										
			LTE Band	26_Upli	nk frequ	uency band :	824 to 849 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.83	25.34	23.19	38.45	-15.26
	26815	826.5	QPSK	1	24	22.54	25.05	22.90	38.45	-15.55
	20010	020.3	QP3N	12	6	21.93	24.44	22.29	38.45	-16.16
				25	0	22.02	24.53	22.38	38.45	-16.07
				1	0	22.83	25.34	23.19	38.45	-15.26
5	26915	836.5	QPSK	1	24	22.74	25.25	23.10	38.45	-15.35
	20313	000.0	QIOIN	12	6	21.93	24.44	22.29	38.45	-16.16
				25	0	21.91	24.42	22.27	38.45	-16.18
				1	0	22.79	25.30	23.15	38.45	-15.30
	27015	846.5	QPSK	1	24	22.78	25.29	23.14	38.45	-15.31
	27010	040.0	Qi Oit	12	6	21.90	24.41	22.26	38.45	-16.19
				25	0	21.90	24.41	22.26	38.45	-16.19
				1	0	21.80	24.31	22.16	38.45	-16.29
	26815	826.5	16QAM	1	24	21.78	24.29	22.14	38.45	-16.31
	20010	020.0	10071111	12	6	20.93	23.44	21.29	38.45	-17.16
				25	0	20.98	23.49	21.34	38.45	-17.11
				1	0	22.02	24.53	22.38	38.45	-16.07
5	26915	836.5	16QAM	1	24	21.57	24.08	21.93	38.45	-16.52
	200.0	000.0	100,	12	6	20.99	23.50	21.35	38.45	-17.10
				25	0	20.94	23.45	21.30	38.45	-17.15
				1	0	22.03	24.54	22.39	38.45	-16.06
	27015	846.5	16QAM	1	24	22.04	24.55	22.40	38.45	-16.05
	2.0.0	0.0.0	''``	12	6	20.95	23.46	21.31	38.45	-17.14
				25	0	20.90	23.41	21.26	38.45	-17.19

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Antenna gain (dBi)

7 ti itoriii a	gairi (ubi)	2.51								
			LTE Band	26_Upli	nk frequ	uency band :	824 to 849 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Set Average (dBm) Average (dBm) Average (dBm) Limit (dBm) 0 22.82 25.33 23.18 38.45 9 22.74 25.25 23.10 38.45 2 22.01 24.52 22.37 38.45 3 21.96 24.47 22.32 38.45 4 22.86 25.37 23.22 38.45 9 22.73 25.24 23.09 38.45 9 22.73 24.44 22.29 38.45 9 21.90 24.41 22.26 38.45 9 22.70 25.21 23.06 38.45 9 22.70 25.21 23.06 38.45 9 22.70 25.21 23.06 38.45 10 21.97 24.48 22.33 38.45 10 22.05 24.56 22.41 38.45 10 22.05 24.56 22.41 38.45 10 22.103	Limit	Margin (dB)		
				1	0	22.82	25.33	23.18	38.45	-15.27
	26840	829	QPSK	1	49	22.74	25.25	23.10	38.45	-15.35
	20040	029	QF3N	25	12	22.01	24.52	22.37	38.45	-16.08
				50	0	21.96	24.47	22.32	38.45	-16.13
				1	0	22.86	25.37	23.22	38.45	-15.23
10	26915	836.5	QPSK	1	49	22.73	25.24	23.09	38.45	-15.36
	20010	000.0	Qi Oit	25	12					-16.16
				50	0					-16.19
				1	0					-15.20
	26990	844	QPSK	1	49					-15.39
	20000		Q. O.	25	12					-16.18
				50	0					-16.12
				1	0					-16.04
	26840	829	16QAM	1	49					-16.04
			,	25	12					-17.12
				50	0					-17.06
				1	0					-15.91
10	26915	836.5	16QAM	1	49					-16.26
				25	12					-17.15
				50	0			_		-17.17
				1	0					-16.09
	26990	844	16QAM	1	49					-16.26
				25	12	20.91	23.42	21.27	38.45	-17.18
				50	0	20.88	23.39	21.24	38.45	-17.21

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Antenna gain (dBi)

7 111011114	gairi (ubi)	2.51								
			LTE Band	26_Upli	nk frequ	uency band :	824 to 849 MI	-lz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	ERP Average (dBm)	ERP Limit (dBm)	Margin (dB)
				1	0	22.85	25.36	23.21	38.45	-15.24
	26865	831.5	QPSK	1	74	22.78	25.29	23.14	38.45	-15.31
	20003	031.3	QF3N	36	18	21.98	24.49	22.34	38.45	-16.11
				75	0	21.94	24.45	22.30	38.45	-16.15
				1	0	22.92	25.43	23.28	38.45	-15.17
15	26915	836.5	QPSK	1	74	22.70	25.21	23.06	38.45	-15.39
10	20313	000.0	QIOIN	36	18	21.65	24.16	22.01	38.45	-16.44
				75	0	21.87	24.38	22.23	38.45	-16.22
				1	0	22.81	25.32	23.17	38.45	-15.28
	26965	841.5	QPSK	1	74	22.73	25.24	23.09	38.45	-15.36
	20000	041.0	Qi Oit	36	18	21.86	24.37	22.22	38.45	-16.23
				75	0	21.84	24.35	22.20	38.45	-16.25
				1	0	21.96	24.47	22.32	38.45	-16.13
	26865	831.5	16QAM	1	74	21.91	24.42	22.27	38.45	-16.18
	20000	001.0	10071111	36	18	20.96	23.47	21.32	38.45	-17.13
				75	0	20.96	23.47	21.32	38.45	-17.13
				1	0	22.01	24.52	22.37	38.45	-16.08
15	26915	836.5	16QAM	1	74	21.99	24.50	22.35	38.45	-16.10
"	200.0	000.0	''``	36	18	20.90	23.41	21.26	38.45	-17.19
				75	0	20.84	23.35	21.20	38.45	-17.25
				1	0	21.97	24.48	22.33	38.45	-16.12
	26965	841.5	16QAM	1	74	21.71	24.22	22.07	38.45	-16.38
	20000	011.0	100,111	36	18	20.89	23.40	21.25	38.45	-17.20
				75	0	20.82	23.33	21.18	38.45	-17.27

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Antenna gain (dBi)

3.12

		LTE I	Band 30_Uplii	nk frequ	iency b	and : 2305 to	2315 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm/5MHz)	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
				1	0	20.62	23.74	24	-0.26
	27685	2307.5	QPSK	1	24	20.51	23.63	24	-0.37
	2/000	2307.5	QP5K	12	6	20.51	23.63	24	-0.37
				25	0	19.61	22.73	24	-1.27
				1	0	20.52	23.64	24	-0.36
5	27710	2310	QPSK	1	24	20.50	23.62	24	-0.38
	21110	2310	QI SIN	12	6	20.52	23.64	24	-0.36
				25	0	19.67	22.79	24	-1.21
				1	0	20.52	23.64	24	-0.36
	27735	2312.5	QPSK	1	24	20.52	23.64	24	-0.36
	21100	2012.0	QI OIX	12	6	20.52	23.64	24	-0.36
				25	0	19.70	22.82	24	-1.18
				1	0	19.77	22.89	24	-1.11
	27685	2307.5	16QAM	1	24	19.73	22.85	24	-1.15
				12	6	19.53	22.65	24	-1.35
				25	0	18.53	21.65	24	-2.35
				1	0	19.66	22.78	24	-1.22
5	27710	2310	16QAM	1	24	19.75	22.87	24	-1.13
			,	12	6	19.51	22.63	24	-1.37
				25	0	18.58	21.70	24	-2.3
				1	0	19.78	22.90	24	-1.1
	27735	2312.5	16QAM	1	24	19.53	22.65	24	-1.35
				12	6	19.52	22.64	24	-1.36
				25	0	18.62	21.74	24	-2.26

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Antenna gain (dBi)

3.12

		ITF	Band 30_Uplii	nk frequ	iency h	and : 2305 to	2315 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average	EIRP Average (dBm/5MHz)	EIRP Limit (dBm/5MHz)	Margin (dB)
				1	0	20.67	23.79	24.00	-0.21
10	27710	2310	QPSK	1	49	20.50	23.62	24.00	-0.38
10	21110	2010	QI SIX	25	12	20.51	23.63	24.00	-0.37
				50	0	19.68	22.80	24.00	-1.20
				1	0	19.91	23.03	24.00	-0.97
10	27710	2310	16QAM	1	49	19.73	22.85	24.00	-1.15
10	21110	2010	TOQAIVI	25	12	19.52	22.64	24.00	-1.36
				50	0	18.67	21.79	24.00	-2.21

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Antenna gain (dBi)

3.12

Antenna	gaili (ubi)	3.12							
			•	_	_	and : 2496 to			
		LTE Band	41_RS199_L	Jplink f	requenc		to 2690 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	25.75	28.87	33	-4.13
				 	24	25.71	28.83	33	-4.17
	39675	2498.5	QPSK	12	6	24.81	27.93	33	-5.07
				25	0	24.81	27.93	33	-5.07
				1	0	24.32	27.44	33	-5.56
	00745	0500.5	00014	1	24	24.26	27.38	33	-5.62
	39715	2502.5	QPSK	12	6	24.78	27.90	33	-5.1
_				25	0	24.74	27.86	33	-5.14
5				1	0	25.66	28.78	33	-4.22
	40620	2593	QPSK	1	24	25.62	28.74	33	-4.26
	40020	2090	QP3N	12	6	24.70	27.82	33	-5.18
				25	0	24.74	27.86	33	-5.14
				1	0	25.61	28.73	33	-4.27
	41565	2687.5	QPSK	1	24	25.61	28.73	33	-4.27
	41303	2007.5	QI SIN	12	6	24.74	27.86	33	-5.14
				25	0	24.71	27.83	33	-5.17
				1	0	24.42	27.54	33	-5.46
	39675	2498.5	16QAM	1	24	24.37	27.49	33	-5.51
	03073	2430.0	TOQAWI	12	6	23.73	26.85	33	-6.15
				25	0	23.72	26.84	33	-6.16
				1	0	24.38	27.50	33	-5.5
	39715	2502.5	16QAM	1	24	24.31	27.43	33	-5.57
	007.10	2002.0	100/1111	12	6	23.69	26.81	33	-6.19
5				25	0	23.64	26.76	33	-6.24
				1	0	24.32	27.44	33	-5.56
	40620	2593	16QAM	1	24	24.85	27.97	33	-5.03
	.5525			12	6	23.65	26.77	33	-6.23
				25	0	23.57	26.69	33	-6.31
				1	0	24.82	27.94	33	-5.06
	41565	2687.5	16QAM	1	24	24.80	27.92	33	-5.08
				12	6	23.76	26.88	33	-6.12
				25	0	23.74	26.86	33	-6.14

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Antenna gain (dBi)

3.12

Antenna	gairi (ubi)	3.12							
				_	_	and : 2496 to			
		LTE Band	d 41_RS199_U	Jplink f	requenc	y band : 2500) to 2690 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	25.80	28.92	33	-4.08
	20700	0504	ODOK	1	49	25.61	28.73	33	-4.27
	39700	2501	QPSK	25	12	24.85	27.97	33	-5.03
				50	0	24.82	27.94	33	-5.06
				1	0	25.71	28.83	33	-4.17
	39740	2505	QPSK	1	49	25.60	28.72	33	-4.28
	39740	2505	QP5K	25	12	24.82	27.94	33	-5.06
10				50	0	24.78	27.90	33	-5.1
10				1	0	25.73	28.85	33	-4.15
	40620	2593	QPSK	1	49	25.66	28.78	33	-4.22
	40020	2595	QF3N	25	12	24.77	27.89	33	-5.11
				50	0	24.77	27.89	33	-5.11
				1	0	25.68	28.80	33	-4.2
	41540	2685	QPSK	1	49	25.64	28.76	33	-4.24
	41340	2003	QF3N	25	12	24.75	27.87	33	-5.13
				50	0	24.77	27.89	33	-5.11
				1	0	24.55	27.67	33	-5.33
	39700	2501	16QAM	1	49	24.98	28.10	33	-4.9
	33700	2501	IOQAIVI	25	12	23.76	26.88	33	-6.12
				50	0	23.78	26.90	33	-6.1
				1	0	24.41	27.53	33	-5.47
	39740	2505	16QAM	1	49	24.32	27.44	33	-5.56
	00740	2000	TOQAW	25	12	23.69	26.81	33	-6.19
10				50	0	23.64	26.76	33	-6.24
				1	0	24.30	27.42	33	-5.58
	40620	2593	16QAM	1	49	24.30	27.42	33	-5.58
	70020	2000	IOQAIVI	25	12	23.62	26.74	33	-6.26
				50	0	23.45	26.57	33	-6.43
				1	0	24.33	27.45	33	-5.55
	41540	2685	16QAM	1	49	24.81	27.93	33	-5.07
	11010	2000	100/1111	25	12	23.55	26.67	33	-6.33
				50	0	23.76	26.88	33	-6.12

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Antenna gain (dBi)

Antenna	gain (dBi)	3.12							
		LTE E	Band 41_Uplin	าk freqเ	iency b	and : 2496 to	2690 MHz		
		LTE Band	d 41_RS199_U	Jplink f	requenc	y band : 2500	to 2690 MHz		
BW	UL	Frequency		RB	RB	Conducted	EIRP	EIRP	Margin
(MHz)	Channel	(MHz)	Modulation	Size	Offset	Average (dBm)	Average (dBm)	Limit (dBm)	(dB)
				1	0	25.84	28.96	33	-4.04
				1	74	25.62	28.74	33	-4.26
	39725	2503.5	QPSK	36	18	24.89	28.01	33	-4.99
				75	0	24.85	27.97	33	-5.03
				1	0	25.72	28.84	33	-4.16
	00705	0507.5	00014	1	74	25.61	28.73	33	-4.27
	39765	2507.5	QPSK	36	18	24.83	27.95	33	-5.05
45				75	0	24.77	27.89	33	-5.11
15				1	0	25.76	28.88	33	-4.12
	40620	2593	QPSK	1	74	25.59	28.71	33	-4.29
	40020	2090	QP3N	36	18	24.78	27.90	33	-5.1
				75	0	24.78	27.90	33	-5.1
				1	0	25.82	28.94	33	-4.06
	41515	2682.5	QPSK	1	74	25.66	28.78	33	-4.22
	41313	2002.5	QI OIX	36	18	24.74	27.86	33	-5.14
				75	0	24.72	27.84	33	-5.16
				1	0	24.44	27.56	33	-5.44
	39725	2503.5	16QAM	1	74	25.06	28.18	33	-4.82
	00720	2000.0	1000/11/1	36	18	23.75	26.87	33	-6.13
				75	0	23.75	26.87	33	-6.13
				1	0	24.55	27.67	33	-5.33
	39765	2507.5	16QAM	1	74	24.48	27.60	33	-5.4
				36	18	23.76	26.88	33	-6.12
15				75	0	23.68	26.80	33	-6.2
				1	0	24.92	28.04	33	-4.96
	40620	2593	16QAM	1	74	24.94	28.06	33	-4.94
				36	18	23.77	26.89	33	-6.11
				75	0	23.80	26.92	33	-6.08
				1	0	24.56	27.68	33	-5.32
	41515	2682.5	16QAM	1	74	24.86	27.98	33	-5.02
				36	18	23.66	26.78	33	-6.22
				75	0	23.76	26.88	33	-6.12

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Antenna	gain (dBi)	3.12							
				_	_	and : 2496 to : cy band : 2500			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	25.83	28.95	33	-4.05
	39750	2506	QPSK	1	99	25.79	28.91	33	-4.09
	03730	2000	QIOIN	50	25	24.92	28.04	33	-4.96
				100	0	24.89	28.01	33	-4.99
				1	0	25.73	28.85	33	-4.15
	39790	2510	QPSK	1	99	25.61	28.73	33	-4.27
	00700	2010	QI OIX	50	25	24.90	28.02	33	-4.98
20				100	0	24.82	27.94	33	-5.06
				1	0	25.73	28.85	33	-4.15
	40620	2593	QPSK	1	99	25.49	28.61	33	-4.39
	10020	2000	Qi Oit	50	25	24.79	27.91	33	-5.09
				100	0	24.81	27.93	33	-5.07
				1	0	24.68	27.80	33	-5.2
	41490	2680	QPSK	1	99	24.15	27.27	33	-5.73
	11.00	2000	Q. O.	50	25	24.25	27.37	33	-5.63
				100	0	24.52	27.64	33	-5.36
				1	0	25.00	28.12	33	-4.88
	39750	2506	16QAM	1	99	24.98	28.10	33	-4.9
				50	25	23.78	26.90	33	-6.1
				100	0	23.79	26.91	33	-6.09
				1	0	24.97	28.09	33	-4.91
	39790	2510	16QAM	1	99	24.88	28.00	33	-5
				50	25	23.82	26.94	33	-6.06
20				100	0	23.76	26.88	33	-6.12
				1	0	24.86	27.98	33	-5.02
	40620	2593	16QAM	1	99	24.93	28.05	33	-4.95
				50	25	23.85	26.97	33	-6.03
				100	0	23.84	26.96	33	-6.04
				1	0	24.63	27.75	33	-5.25
	41490	2680	16QAM	1	99	24.14	27.26	33	-5.74
			,	50	25	23.22	26.34	33	-6.66
				100	0	23.83	26.95	33	-6.05

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Antenna gain (dBi)

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LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
		LTE I	Band 66_Upli	nk frequ	iency b	and : 1710 to	1780 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.01	26.41	30	-3.59
	131979	1710.7	QPSK	1	5	22.93	26.33	30	-3.67
	131979	17 10.7	QP3N	3	2	23.03	26.43	30	-3.57
				6	0	22.01	25.41	30	-4.59
				1	0	22.95	26.35	30	-3.65
1.4	132322	1745	QPSK	1	5	22.84	26.24	30	-3.76
1.4	132322	1745	QI SIN	3	2	23.09	26.49	30	-3.51
				6	0	22.06	25.46	30	-4.54
				1	0	22.87	26.27	30	-3.73
	132665	1779.3	QPSK	1	5	22.72	26.12	30	-3.88
	102000	1770.0	QI OIX	3	2	22.93	26.33	30	-3.67
				6	0	21.89	25.29	30	-4.71
				1	0	22.10	25.50	30	-4.5
	131979	1710.7	16QAM	1	5	22.04	25.44	30	-4.56
	101070	17 10.7	1000 1111	3	2	22.18	25.58	30	-4.42
				6	0	21.16	24.56	30	-5.44
				1	0	22.04	25.44	30	-4.56
1.4	132322	1745	16QAM	1	5	22.21	25.61	30	-4.39
'''	102022		100,	3	2	22.11	25.51	30	-4.49
				6	0	21.13	24.53	30	-5.47
				1	0	22.08	25.48	30	-4.52
	132665	1779.3	16QAM	1	5	22.13	25.53	30	-4.47
				3	2	21.98	25.38	30	-4.62
				6	0	21.04	24.44	30	-5.56

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Antenna gain (dBi)

		LTE I	Band 66_Uplii	nk frequ	uency b	and : 1710 to	1780 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
				1	0	23.04	26.44	30	-3.56	
	131987	1711.5	QPSK	1	14	23.00	26.40	30	-3.6	
	131967	1/11.5	QP5K	8	4	22.12	25.52	30	-4.48	
				15	0	22.09	25.49	30	-4.51	
				1	0	23.04	26.44	30	-3.56	
3	132322	1745	QPSK	1	14	23.01	26.41	30	-3.59	
3	132322	1745	QF3N	8	4	22.13	25.53	30	-4.47	
				15	0	22.11	25.51	30	-4.49	
				1	0	22.91	26.31	30	-3.69	
	132657	1778.5	QPSK	1	14	22.86	26.26	30	-3.74	
	132037	1770.5	QI SIN	8	4	21.98	25.38	30	-4.62	
				15	0	21.97	25.37	30	-4.63	
				1	0	22.07	25.47	30	-4.53	
	131987	1711.5	16QAM	1	14	22.38	25.78	30	-4.22	
	101307	1711.5	TOQAW	8	4	21.26	24.66	30	-5.34	
				15	0	21.16	24.56	30	-5.44	
				1	0	22.12	25.52	30	-4.48	
3	132322	1745	16QAM	1	14	22.02	25.42	30	-4.58	
	102022	1140	100/11/1	8	4	21.29	24.69	30	-5.31	
				15	0	21.16	24.56	30	-5.44	
				1	0	22.02	25.42	30	-4.58	
	132657	1778.5	16QAM	1	14	22.09	25.49	30	-4.51	
	.52557		1000 1111	8	4	21.15	24.55	30	-5.45	
				15	0	21.04	24.44	30	-5.56	

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	LTE Band 66_Uplink frequency band : 1710 to 1780 MHz										
		LTE	Band 66_Uplii	nk frequ	uency b	and: 1710 to	1780 MHz				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)		
				1	0	23.03	26.43	30	-3.57		
	131997	1712.5	QPSK	1	24	22.97	26.37	30	-3.63		
	131331	1712.5	QF3N	12	6	22.08	25.48	30	-4.52		
				25	0	22.05	25.45	30	-4.55		
				1	0	23.08	26.48	30	-3.52		
5	132322	1745	QPSK	1	24	23.00	26.40	30	-3.6		
3	102022	1745	QI OIX	12	6	22.14	25.54	30	-4.46		
				25	0	22.09	25.49	30	-4.51		
				1	0	22.94	26.34	30	-3.66		
	132647	1777.5	QPSK	1	24	22.87	26.27	30	-3.73		
	102017	1777.0	QI OIX	12	6	21.98	25.38	30	-4.62		
				25	0	21.97	25.37	30	-4.63		
				1	0	22.20	25.60	30	-4.4		
	131997	1712.5	16QAM	1	24	22.20	25.60	30	-4.4		
				12	6	21.21	24.61	30	-5.39		
				25	0	21.11	24.51	30	-5.49		
				1	0	22.23	25.63	30	-4.37		
5	132322	1745	16QAM	1	24	22.42	25.82	30	-4.18		
-				12	6	21.18	24.58	30	-5.42		
				25	0	21.16	24.56	30	-5.44		
				1	0	21.92	25.32	30	-4.68		
	132647	1777.5	16QAM	1	24	22.36	25.76	30	-4.24		
				12	6	21.05	24.45	30	-5.55		
				25	0	21.04	24.44	30	-5.56		

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Antenna gain (dBi)

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		LTE I	Band 66_Upli	nk frequ	uency b	and : 1710 to	1780 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.04	26.44	30	-3.56
	132022	1715	QPSK	1	49	22.98	26.38	30	-3.62
	132022	1713	QP3N	25	12	22.07	25.47	30	-4.53
				50	0	22.06	25.46	30	-4.54
				1	0	23.06	26.46	30	-3.54
10	132322	1745	QPSK	1	49	23.03	26.43	30	-3.57
10	102022	1743	QIOI	25	12	22.14	25.54	30	-4.46
				50	0	22.10	25.50	30	-4.5
				1	0	22.97	26.37	30	-3.63
	132622	1775	QPSK	1	49	22.83	26.23	30	-3.77
	102022	1110	QI OIX	25	12	22.01	25.41	30	-4.59
				50	0	21.97	25.37	30	-4.63
				1	0	22.08	25.48	30	-4.52
	132022	1715	16QAM	1	49	22.16	25.56	30	-4.44
				25	12	21.10	24.50	30	-5.5
				50	0	21.12	24.52	30	-5.48
				1	0	22.27	25.67	30	-4.33
10	132322	1745	16QAM	1	49	22.41	25.81	30	-4.19
			·	25	12	21.18	24.58	30	-5.42
				50	0	21.14	24.54	30	-5.46
				1	0	21.98	25.38	30	-4.62
	132622	1775	16QAM	1	49	22.01	25.41	30	-4.59
				25	12	21.04	24.44	30	-5.56
				50	0	21.04	24.44	30	-5.56

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Antenna gain (dBi)

	LTE Band 66_Uplink frequency band : 1710 to 1780 MHz								
		LTE I	Band 66_Uplii	nk frequ	uency b	and: 1710 to	1780 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.07	26.47	30	-3.53
	132047	1717.5	QPSK	1	74	22.99	26.39	30	-3.61
	132047	0.17	QP5K	36	18	22.15	25.55	30	-4.45
				75	0	22.11	25.51	30	-4.49
				1	0	23.13	26.53	30	-3.47
15	132322	1745	QPSK	1	74	22.90	26.30	30	-3.7
13	132322	1745	QISIN	36	18	22.12	25.52	30	-4.48
				75	0	22.15	25.55	30	-4.45
				1	0	22.98	26.38	30	-3.62
	132597	1772.5	QPSK	1	74	22.86	26.26	30	-3.74
	102007	1772.0	QI OIX	36	18	21.98	25.38	30	-4.62
				75	0	22.06	25.46	30	-4.54
				1	0	22.31	25.71	30	-4.29
	132047	1717.5	16QAM	1	74	22.03	25.43	30	-4.57
	102017	17 17.0	1000/11/1	36	18	21.19	24.59	30	-5.41
				75	0	21.19	24.59	30	-5.41
				1	0	22.35	25.75	30	-4.25
15	132322	1745	16QAM	1	74	22.21	25.61	30	-4.39
	102022		100,	36	18	21.17	24.57	30	-5.43
				75	0	21.17	24.57	30	-5.43
				1	0	22.06	25.46	30	-4.54
	132597	1772.5	16QAM	1	74	22.05	25.45	30	-4.55
				36	18	21.03	24.43	30	-5.57
				75	0	21.13	24.53	30	-5.47

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Antenna gain (dBi)

3 4

	LTE Band 66_Uplink frequency band : 1710 to 1780 MHz									
		LTE I	Band 66_Uplii	nk frequ	uency b	and : 1710 to	1780 MHz			
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)	
				1	0	23.04	26.44	30	-3.56	
	132072	1720	QPSK	1	99	22.92	26.32	30	-3.68	
	132072	1720	QP3N	50	25	22.14	25.54	30	-4.46	
				100	0	22.12	25.52	30	-4.48	
				1	0	23.03	26.43	30	-3.57	
20	132322	1745	QPSK	1	99	22.99	26.39	30	-3.61	
20	102022	1745	QISIN	50	25	22.13	25.53	30	-4.47	
				100	0	22.10	25.50	30	-4.5	
				1	0	23.01	26.41	30	-3.59	
	132572	1770	QPSK	1	99	22.90	26.30	30	-3.7	
	102072	1770	QIOIN	50	25	22.12	25.52	30	-4.48	
				100	0	22.03	25.43	30	-4.57	
				1	0	22.28	25.68	30	-4.32	
	132072	1720	16QAM	1	99	22.17	25.57	30	-4.43	
	102072	1720	100/11/1	50	25	21.19	24.59	30	-5.41	
				100	0	21.16	24.56	30	-5.44	
				1	0	22.22	25.62	30	-4.38	
20	132322	1745	16QAM	1	99	22.15	25.55	30	-4.45	
	102022		1000	50	25	21.19	24.59	30	-5.41	
				100	0	21.14	24.54	30	-5.46	
				1	0	22.20	25.60	30	-4.4	
	132572	1770	16QAM	1	99	22.28	25.68	30	-4.32	
	.020.2	''''	1000	50	25	21.13	24.53	30	-5.47	
				100	0	21.11	24.51	30	-5.49	

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LTE Band 41 (Normal Output power)

Antenna gain (dBi) 3.12

Antenna	gain (dBi)	3.12 LTE Band 41_Uplink frequency band : 2496 to 2690 MHz										
		LTE E	Band 41_Uplin	nk frequ	iency ba	and : 2496 to	2690 MHz					
		LTE Band	d 41_RS199_U	Jplink f	requenc	y band : 2500	to 2690 MHz					
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)			
				1	0	23.19	26.31	33	-6.69			
				1	24	22.93	26.05	33	-6.95			
	39675	2498.5	QPSK	12	6	22.51	25.63	33	-7.37			
				25	0	22.35	25.47	33	-7.53			
				1	0	23.28	26.40	33	-6.6			
	00745	0500.5	00014	1	24	23.20	26.32	33	-6.68			
	39715	2502.5	QPSK	12	6	22.47	25.59	33	-7.41			
_				25	0	22.33	25.45	33	-7.55			
5				1	0	23.35	26.47	33	-6.53			
	40000	0500	ODOK	1	24	23.31	26.43	33	-6.57			
	40620	2593	QPSK	12	6	22.32	25.44	33	-7.56			
				25	0	22.35	25.47	33	-7.53			
				1	0	23.38	26.50	33	-6.5			
	11ECE	0607 E	ODCK	1	24	23.32	26.44	33	-6.56			
	41565	2687.5	QPSK	12	6	22.36	25.48	33	-7.52			
				25	0	22.37	25.49	33	-7.51			
				1	0	22.75	25.87	33	-7.13			
	20675	2498.5	16QAM	1	24	22.55	25.67	33	-7.33			
	39675	2490.5	IOQAW	12	6	21.40	24.52	33	-8.48			
				25	0	21.28	24.40	33	-8.6			
				1	0	22.66	25.78	33	-7.22			
	39715	2502.5	16QAM	1	24	22.58	25.70	33	-7.3			
	39713	2302.3	TOWAIVI	12	6	21.46	24.58	33	-8.42			
5				25	0	21.38	24.50	33	-8.5			
)				1	0	22.61	25.73	33	-7.27			
	40620	2593	16QAM	1	24	22.63	25.75	33	-7.25			
	40020	2595	TOQAW	12	6	21.25	24.37	33	-8.63			
				25	0	21.34	24.46	33	-8.54			
				1	0	22.55	25.67	33	-7.33			
	41565	2687.5	16QAM	1	24	22.58	25.70	33	-7.3			
	41303	2007.3	IUQAW	12	6	21.12	24.24	33	-8.76			
				25	0	21.40	24.52	33	-8.48			

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Antenna gain (dBi)

3.12

Antenna	gaili (ubi)	3.12							
				-	_	and: 2496 to			
		LTE Band	d 41_RS199_U	Jplink f	requenc	y band : 2500) to 2690 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.48	26.60	33	-6.4
	20700	0504	ODOK	1	49	23.34	26.46	33	-6.54
	39700	2501	QPSK	25	12	22.54	25.66	33	-7.34
				50	0	22.51	25.63	33	-7.37
				1	0	23.42	26.54	33	-6.46
	39740	2505	QPSK	1	49	23.36	26.48	33	-6.52
	39740	2000	QP3N	25	12	22.47	25.59	33	-7.41
10				50	0	22.39	25.51	33	-7.49
10				1	0	23.38	26.50	33	-6.5
	40620	2593	QPSK	1	49	23.37	26.49	33	-6.51
	40020	2000	QI SIN	25	12	22.39	25.51	33	-7.49
				50	0	22.37	25.49	33	-7.51
				1	0	23.37	26.49	33	-6.51
	41540	2685	QPSK	1	49	23.34	26.46	33	-6.54
	41340	2003	QI SIN	25	12	22.40	25.52	33	-7.48
				50	0	22.39	25.51	33	-7.49
				1	0	22.63	25.75	33	-7.25
	39700	2501	16QAM	1	49	22.63	25.75	33	-7.25
	39700	2501	IOQAIVI	25	12	21.34	24.46	33	-8.54
				50	0	21.57	24.69	33	-8.31
				1	0	22.58	25.70	33	-7.3
	39740	2505	16QAM	1	49	22.51	25.63	33	-7.37
	00740	2000	IUQAIVI	25	12	21.49	24.61	33	-8.39
10				50	0	21.52	24.64	33	-8.36
'0				1	0	22.56	25.68	33	-7.32
	40620	2593	16QAM	1	49	22.48	25.60	33	-7.4
	70020	2000	IUQAIVI	25	12	21.42	24.54	33	-8.46
				50	0	21.36	24.48	33	-8.52
				1	0	22.45	25.57	33	-7.43
	41540	2685	16QAM	1	49	22.29	25.41	33	-7.59
	71040	2000	IUQAIVI	25	12	21.40	24.52	33	-8.48
				50	0	21.41	24.53	33	-8.47

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Antenna	gain (dBi)	3.12							
		LTE E	Band 41_Uplin	nk frequ	iency b	and : 2496 to	2690 MHz		
		LTE Band	d 41_RS199_U	Jplink f	requenc	y band : 2500	to 2690 MHz		
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.47	26.59	33	-6.41
	20705	0500.5	ODOK	1	74	23.42	26.54	33	-6.46
	39725	2503.5	QPSK	36	18	22.56	25.68	33	-7.32
				75	0	22.53	25.65	33	-7.35
				1	0	23.45	26.57	33	-6.43
	39765	2507.5	QPSK	1	74	23.46	26.58	33	-6.42
	39703	2307.3	QF3N	36	18	22.49	25.61	33	-7.39
15				75	0	22.41	25.53	33	-7.47
13				1	0	23.40	26.52	33	-6.48
	40620	2593	QPSK	1	74	23.37	26.49	33	-6.51
	+0020	2000	QIOIN	36	18	22.39	25.51	33	-7.49
				75	0	22.35	25.47	33	-7.53
				1	0	23.41	26.53	33	-6.47
	41515	2682.5	QPSK	1	74	23.46	26.58	33	-6.42
	11010	2002.0	Qi Oit	36	18	22.38	25.50	33	-7.5
				75	0	22.35	25.47	33	-7.53
				1	0	22.64	25.76	33	-7.24
	39725	2503.5	16QAM	1	74	22.63	25.75	33	-7.25
	00720	2000.0	100,	36	18	21.51	24.63	33	-8.37
				75	0	21.53	24.65	33	-8.35
				1	0	22.63	25.75	33	-7.25
	39765	2507.5	16QAM	1	74	22.59	25.71	33	-7.29
				36	18	21.44	24.56	33	-8.44
15				75	0	21.52	24.64	33	-8.36
				1	0	22.67	25.79	33	-7.21
	40620	2593	16QAM	1	74	22.63	25.75	33	-7.25
				36	18	21.38	24.50	33	-8.5
				75	0	21.39	24.51	33	-8.49
				1	0	22.60	25.72	33	-7.28
	41515	2682.5	16QAM	1	74	22.60	25.72	33	-7.28
				36	18	21.36	24.48	33	-8.52
				75	0	21.38	24.50	33	-8.5

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Antenna	gain (dBi)	3.12							
			Band 41_Uplir d 41_RS199_U		_				
BW (MHz)	UL Channel	Frequency (MHz)	Modulation	RB Size	RB Offset	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Limit (dBm)	Margin (dB)
				1	0	23.46	26.58	33	-6.42
	39750	2506	QPSK	1	99	23.40	26.52	33	-6.48
	03730	2000	QI OIX	50	25	22.53	25.65	33	-7.35
				100	0	22.50	25.62	33	-7.38
				1	0	23.42	26.54	33	-6.46
	39790	2510	QPSK	1	99	23.38	26.50	33	-6.5
	00700	2010	QI OIX	50	25	22.43	25.55	33	-7.45
20				100	0	22.37	25.49	33	-7.51
20				1	0	23.36	26.48	33	-6.52
	40620	2593	QPSK	1	99	23.28	26.40	33	-6.6
	10020	2000	QI OIX	50	25	22.37	25.49	33	-7.51
				100	0	22.36	25.48	33	-7.52
				1	0	23.42	26.54	33	-6.46
	41490	2680	QPSK	1	99	23.21	26.33	33	-6.67
	11100	2000	Qi Oit	50	25	22.35	25.47	33	-7.53
				100	0	22.34	25.46	33	-7.54
				1	0	22.36	25.48	33	-7.52
	39750	2506	16QAM	1	99	22.49	25.61	33	-7.39
	00700	2000	100,	50	25	21.50	24.62	33	-8.38
				100	0	21.52	24.64	33	-8.36
				1	0	22.49	25.61	33	-7.39
	39790	2510	16QAM	1	99	22.36	25.48	33	-7.52
				50	25	21.48	24.60	33	-8.4
20				100	0	21.32	24.44	33	-8.56
				1	0	22.58	25.70	33	-7.3
	40620	2593	16QAM	1	99	22.38	25.50	33	-7.5
				50	25	21.20	24.32	33	-8.68
				100	0	21.39	24.51	33	-8.49
				1	0	22.18	25.30	33	-7.7
	41490	2680	16QAM	1	99	22.60	25.72	33	-7.28
				50	25	21.30	24.42	33	-8.58
				100	0	21.35	24.47	33	-8.53

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2 OCCUPIED BANDWIDTH MEASUREMENT

	LTE BAND 12 Channel bandwidth: 10MHz											
Freq.	99% BW (MHz) 26 dB BW (MHz)											
(MHz)	CH	QPSK	16QAM			QPSK	16QAM					
-	1	-	-			1	-					
-	ı	-	ı			ı	ı					
711.0	23130 8.9694 8.9778 9.666 9.763											

	LTE BAND 25 Channel bandwidth: 10MHz											
Freq.			26 dB BW (MHz)									
(MHz)	CH	QPSK	16QAM			QPSK	16QAM					
1855.0	26090	8.9792	8.9532			9.768	9.759					
-	1	-	-			-	-					
-	-											

LTE BAND 41 Channel bandwidth: 15MHz									
Freq. (MHz)	СН	99% BW (MHz)			26 dB BW (MHz)				
		QPSK	16QAM			QPSK	16QAM		
2503.5	39725	13.4260	13.4230			14.420	14.700		
-	-	-	-			-	-		
-	-	-	-			-	-		
-	-	-	-			-	-		

LTE BAND 41 Channel bandwidth: 20MHz									
Freq. (MHz)	СН	99% BW (MHz)			26 dB BW (MHz)				
		QPSK	16QAM			QPSK	16QAM		
-	-	-	-			-	-		
2510.0	39790.0	17.854	17.870			19.150	19.220		
-	-	-	-			-	-		
-	-	-	-			-	-		

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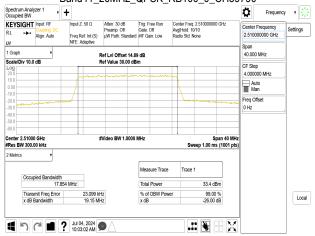
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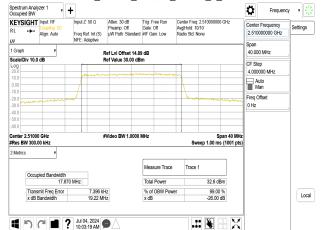


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Band41_20MHz_QPSK_RB100_0_CH39790



Band41_20MHz_16QAM_RB100_0_CH39790



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3 OUT OF BAND EMISSION AT ANTENNA TERMINALS

Refer to next pages.

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Band Edge Band25 10MHz QPSK RB50 0 CH26090 Band Edge Band12_10MHz_QPSK_RB1_49_CH23130 Spectrum Analyzer 1 Swept SA ٥ Ö KEYSIGHT Input RF KEYSIGHT Input: RF Settings Settings 716 000000 MHz ANNNN ANNNN Mkr1 716.00 MHz 20.0000000 MHz Mkr1 1.850 00 GHz 20,0000000 MHz Scale/Div 10 dB -35.339 dBm Scale/Div 10 dB -34.692 dl Swept Span Zero Span Swept Span Zero Span Trace 1 Pass Full Span Full Span Stop Freq 726.000000 MHz Center 716.00 MHz #Res BW 100 kHz #Video BW 300 kHz Span 20.00 MH 2.000000 MHz Auto Man Auto Man Mode Trace Scale Function Function Width Function Value Mode Trace Scale Function Function Width Function Value 716.00 MHz -35.339 dBm 1.850 00 GHz -34.692 dBm Freq Offset Freq Offset 0 Hz 0 Hz Local Local X Axis Scale Log Lin X Axis Scale May 30, 2024 10:20:57 AM # ₩ Signal Trac TT 🗿 🖁 💢 Band Edge_Band12_10MHz_QPSK_RB50_0_CH23130 Emission Mask_Band41_15MHz_QPSK_RB1_0_CH39725 Ö ٥ Frequency Input Z: 50 Ω Aften: 30 dB Preamp: Off Freq Ref: Int (S) NFE: Adaptive KEYSIGHT Input: RF KEYSIGHT Input: RE Trig: Free Run Gate: LO ndard IF Gain: Low Center Freq: 2.503500000 GHz Radio Std: None RL → PASS RL → 716.000000 MHz 2.503500000 GHz CF Sten Mkr1 716.00 MHz Ref Lvi Offset 14.01 dB Ref Level 30.00 dBm 20.0000000 MHz 4.399000000 GHz Ref Lvl Offset 14.89 dB Ref Value 30.00 dBm Scale/Div 10 dB -33,880 dBr Scale/Div 10 0 dB Swept Span Zero Span Auto Man Freq Offse Full Span 706.000000 MHz Stop Freq 726.000000 MHz Start 2.465 GHz Stop 2.542 GHz 4 All Range Table AUTO TUNE Measure Trace Trace Type Trace Average (Active) 5 Marker Table Auto Man Mode Trace Scale N 1 f 716.00 MHz -33.880 dBm Local X Axis Scale Log Lin Local ■ 9 May 30, 2024 10:21:15 AM May 30, 2024 10:36:37 AM .# ₩ Band Edge_Band25_10MHz_QPSK_RB1_0_CH26090 Emission Mask Band41 15MHz QPSK RB1 74 CH39725 ٥ Ö Frequency v Input Z: 50 Ω Aften: 30 dB Preamp: Off Freq Ref: Int (S) NFE: Artentine KEYSIGHT Input RF KEYSIGHT Input: RF Settings ANNNN ĻΩ Mkr1 1.850 00 GHz 20.0000000 MHz Ref Lvi Offset 14.47 dB Ref Level 30.00 dBm Ref Lvi Offset 14.89 dB Ref Value 30.00 dBm Scale/Div 10 dB -33.051 dBm Scale/Div 10.0 dB Swept Span Zero Span Auto Man Freq Offse 0 Hz 1.840000000 GHz Stop Freq Start 2.465 GHz Stop 2.542 GHz 1.860000000 GHz AUTO TUNE Measure Trace Trace Type 2.000000 MHz Auto Man 1 850 00 GHz -33 051 dBm Frea Offse 0 Hz Local Local X Axis Sca Log Lin

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May 30, 2024 P

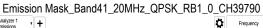
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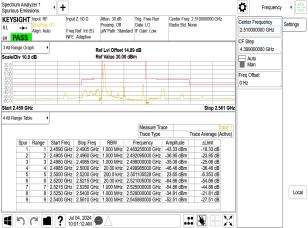
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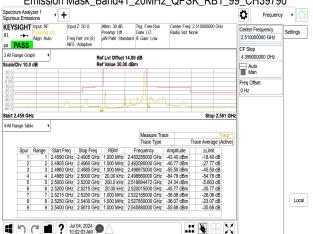
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Emission Mask_Band41_15MHz_QPSK_RB75_0_CH39725 Spectrum Analyzer 1 Spurious Emissione Frequency v ٥ Atten: 30 dB Trig: Free Run Preamp: Off Gate: LO µW Path: Standard IF Gain: Low KEYSIGHT Input RF Innut 7: 50.0 Settings RL Aign: Auto 2.503500000 GHz 3 All Range Graph Auto Man Freq Offse 0 Hz Stop 2.542 GH 4 All Range Table ge Start Freq Stop Freq R8W Frequency 1 2.4650 GHz 2.4905 GHz 1.000 MHz 2.48990000 GHz 2.4905 GHz 2.4905 GHz 1.000 MHz 2.48990000 GHz 3 2.4945 GHz 2.4960 GHz 1.500 MHz 2.49990000 GHz 3 2.4945 GHz 2.4980 GHz 1.500 MHz 2.49990000 GHz 5 2.5115 GHz 2.5110 GHz 1.500 MHz 2.500799905 GHz 5 2.5115 GHz 2.5125 GHz 1.500 MHz 2.51790000 GHz 6 2.5125 GHz 2.5200 GHz 1.000 MHz 2.51790000 GHz 7 2.5150 GHz 2.5200 GHz 1.000 MHz 2.51790000 GHz Amplitude -28.69 dBm -25.65 dBm -32.47 dBm 3.950 dBm -31.04 dBm -24.92 dBm -27.27 dBm -38.34 dBm ΔLimit -3.692 dB -12.65 dB -19.47 dB -26.05 dB -21.04 dB -14.92 dB -14.27 dB -13.34 dB Local May 30, 2024 10:41:48 AM .:: 🐺





Emission Mask_Band41_20MHz_QPSK_RB1_99_CH39790



Emission Mask_Band41_20MHz_QPSK_RB100_0_CH39790



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4 SPURIOUS EMISSION AT ANTENNA TERMINALS

Refer to next pages.

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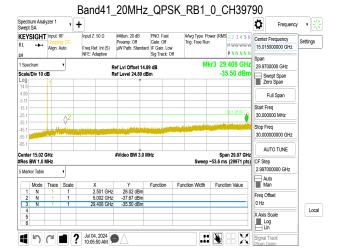
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May 30, 2024 10:43:05 AM



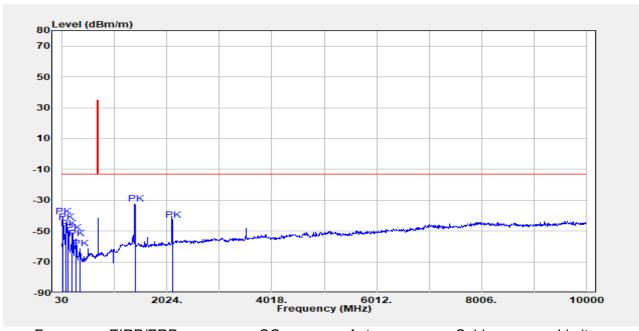
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FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

:TERF2405001357ER Report Number **Test Site** :SAC 1

Operation Mode :LTE B12 **Test Date** :2024-05-30 **Test Mode** :Tx Temp./Humi. :25.6°C/51%

EUT Pol :H Plane Antenna Pol. :Vertical Engineer **Test Frequency** :711 MHz :WJ Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		_
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
41.640	-40.84	-28.29	-11.82	-0.73	-13.00	-27.84
107.600	-44.60	-41.86	-1.58	-1.16	-13.00	-31.60
135.730	-48.71	-45.85	-1.57	-1.29	-13.00	-35.71
223.030	-51.13	-54.22	4.74	-1.65	-13.00	-38.13
297.720	-54.97	-57.38	4.30	-1.89	-13.00	-41.97
371.440	-61.50	-63.80	4.42	-2.11	-13.00	-48.50
1422.000	-32.33	-36.04	7.72	-4.01	-13.00	-19.33
2133.000	-43.01	-47.91	9.87	-4.98	-13.00	-30.01

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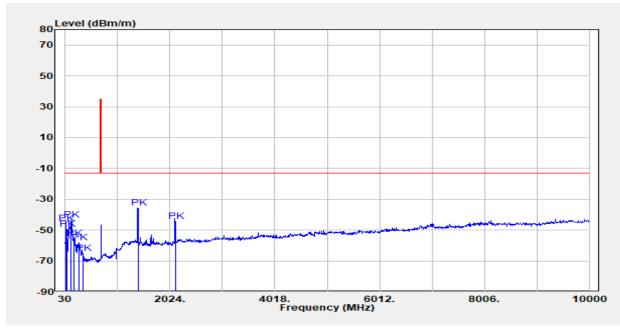
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B12 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :711 MHz Engineer :WJ Lin



EIRP/ERP	SG	Antenna	Cable	Limit	Margin
	Output Level	Gain	Loss		
dBm	dBm	dBi/dBd	dB	dBm	dB
-45.88	-33.33	-11.82	-0.73	-13.00	-32.88
-49.67	-40.60	-8.20	-0.87	-13.00	-36.67
-43.32	-40.35	-1.66	-1.31	-13.00	-30.32
-55.42	-57.34	3.45	-1.53	-13.00	-42.42
-58.24	-60.61	4.25	-1.87	-13.00	-45.24
-65.04	-67.35	4.42	-2.11	-13.00	-52.04
-35.61	-39.32	7.72	-4.01	-13.00	-22.61
-44.44	-49.34	9.87	-4.98	-13.00	-31.44
	-45.88 -49.67 -43.32 -55.42 -58.24 -65.04 -35.61	Output Level dBm -45.88 -33.33 -49.67 -40.60 -43.32 -40.35 -55.42 -57.34 -58.24 -60.61 -65.04 -67.35 -35.61 -39.32	dBm Output Level dBm Gain dBi/dBd -45.88 -33.33 -11.82 -49.67 -40.60 -8.20 -43.32 -40.35 -1.66 -55.42 -57.34 3.45 -58.24 -60.61 4.25 -65.04 -67.35 4.42 -35.61 -39.32 7.72	dBm Output Level dBm Gain dBi/dBd Loss dB -45.88 -33.33 -11.82 -0.73 -49.67 -40.60 -8.20 -0.87 -43.32 -40.35 -1.66 -1.31 -55.42 -57.34 3.45 -1.53 -58.24 -60.61 4.25 -1.87 -65.04 -67.35 4.42 -2.11 -35.61 -39.32 7.72 -4.01	dBm Output Level dBm Gain dBi/dBd Loss dBm -45.88 -33.33 -11.82 -0.73 -13.00 -49.67 -40.60 -8.20 -0.87 -13.00 -43.32 -40.35 -1.66 -1.31 -13.00 -55.42 -57.34 3.45 -1.53 -13.00 -58.24 -60.61 4.25 -1.87 -13.00 -65.04 -67.35 4.42 -2.11 -13.00 -35.61 -39.32 7.72 -4.01 -13.00

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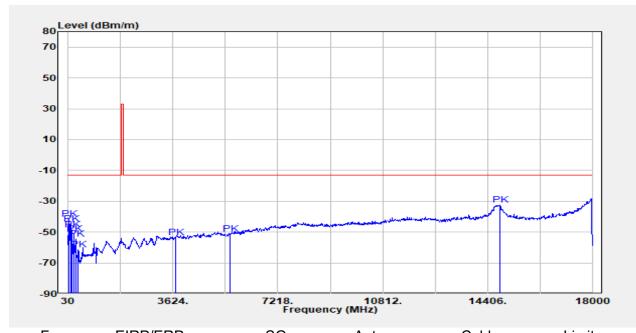
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B25 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Vertical

Test Frequency :1855 MHz Engineer :WJ Lin



dB	
-28.44	
-31.81	
-35.40	
-38.51	
-41.35	
-48.49	
-40.52	
-38.43	
-19.49	
	-28.44 -31.81 -35.40 -38.51 -41.35 -48.49 -40.52 -38.43

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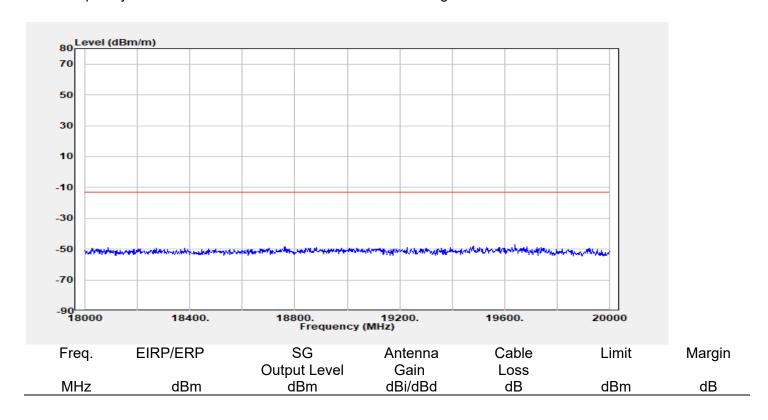
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Report Number **Test Site** :SAC 1 :TERF2405001357ER

Operation Mode :LTE B25 **Test Date** :2024-05-30

:25.6°C/51% **Test Mode** :Tx Temp./Humi.

EUT Pol :H Plane Antenna Pol. :Vertical :WJ Lin **Test Frequency** :1855 MHz Engineer



If trace less than -20dBm, no need to mark.

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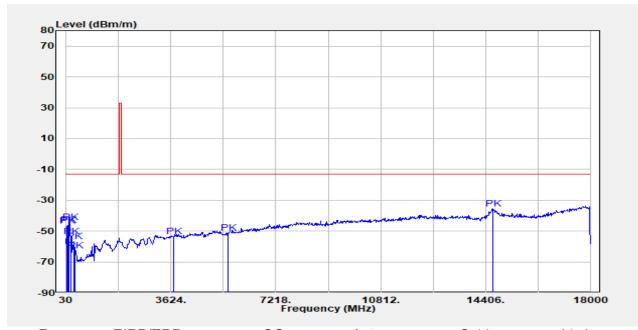
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B25 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :1855 MHz Engineer :WJ Lin



Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
41.640	-46.76	-34.21	-11.82	-0.73	-13.00	-33.76
96.930	-46.20	-44.01	-1.07	-1.12	-13.00	-33.20
135.730	-44.21	-41.35	-1.57	-1.29	-13.00	-31.21
201.690	-53.48	-56.30	4.37	-1.55	-13.00	-40.48
288.020	-56.92	-59.27	4.21	-1.86	-13.00	-43.92
340.400	-62.69	-65.20	4.52	-2.01	-13.00	-49.69
3710.000	-53.43	-59.34	12.58	-6.67	-13.00	-40.43
5565.000	-51.14	-56.18	13.26	-8.23	-13.00	-38.14
14651.000	-35.51	-32.63	11.10	-13.99	-13.00	-22.51

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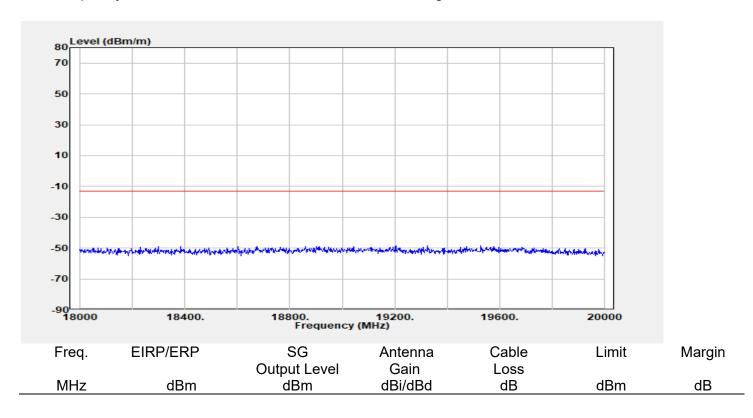
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B25 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :1855 MHz Engineer :WJ Lin



If trace less than -20dBm, no need to mark.

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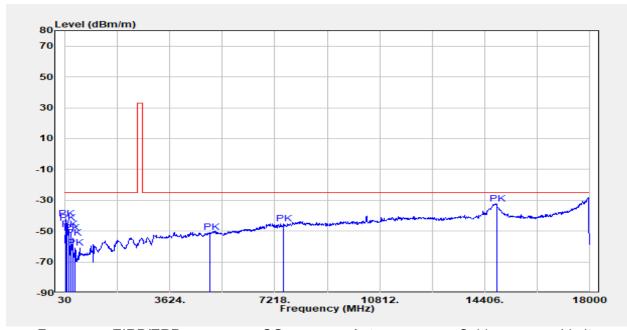
Report Number **Test Site** :SAC 1 :TERF2405001357ER

Operation Mode :LTE B41 **Test Date** :2024-05-30

:25.6°C/51% Test Mode :Tx Temp./Humi.

EUT Pol :H Plane Antenna Pol. :Vertical

Test Frequency :2503.5 MHz :WJ Lin Engineer



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
41.640	-42.21	-29.66	-11.82	-0.73	-25.00	-17.21
99.840	-44.87	-42.61	-1.12	-1.14	-25.00	-19.87
137.670	-49.00	-46.09	-1.61	-1.30	-25.00	-24.00
223.030	-51.17	-54.26	4.74	-1.65	-25.00	-26.17
297.720	-54.56	-56.98	4.30	-1.89	-25.00	-29.56
371.440	-60.86	-63.17	4.42	-2.11	-25.00	-35.86
5007.000	-50.79	-55.56	12.57	-7.80	-25.00	-25.79
7510.500	-45.28	-46.77	11.12	-9.62	-25.00	-20.28
14821.000	-32.24	-30.31	11.98	-13.91	-25.00	-7.24

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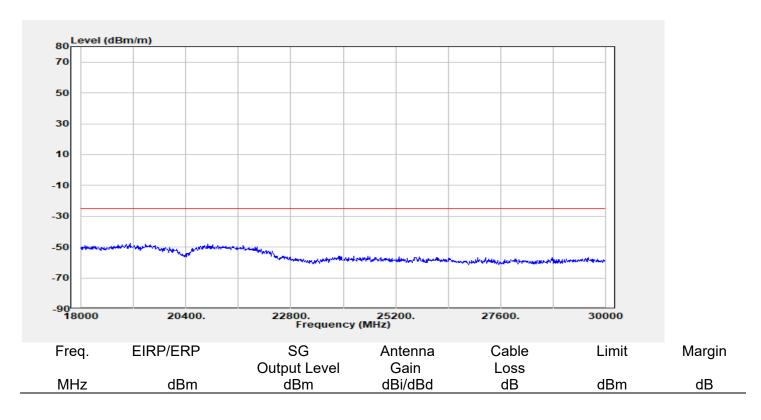
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6°C/51%

EUT Pol :H Plane Antenna Pol. :Vertical

Test Frequency :2503.5 MHz Engineer :WJ Lin



If trace less than -20dBm, no need to mark.

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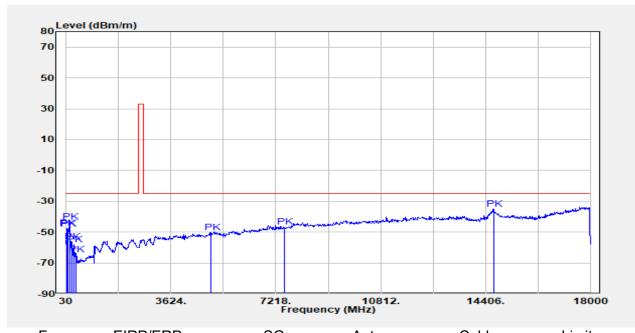
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :2503.5 MHz Engineer :WJ Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
40.670	-47.47	-34.93	-11.83	-0.71	-25.00	-22.47
94.990	-48.25	-46.38	-0.77	-1.10	-25.00	-23.25
137.670	-43.34	-40.43	-1.61	-1.30	-25.00	-18.34
207.510	-56.28	-59.48	4.77	-1.58	-25.00	-31.28
283.170	-58.43	-60.79	4.19	-1.84	-25.00	-33.43
371.440	-64.56	-66.86	4.42	-2.11	-25.00	-39.56
5007.000	-50.32	-55.09	12.57	-7.80	-25.00	-25.32
7510.500	-46.68	-48.18	11.12	-9.62	-25.00	-21.68
14702.000	-35.01	-32.43	11.31	-13.89	-25.00	-10.01

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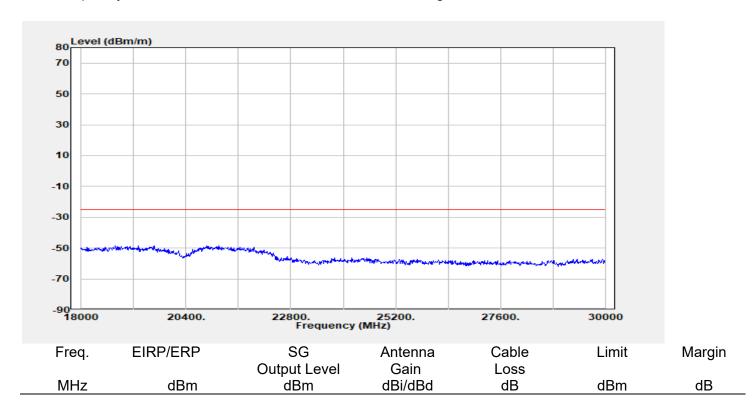
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-05-30

Test Mode :Tx Temp./Humi. :25.6℃/51%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :2503.5 MHz Engineer :WJ Lin



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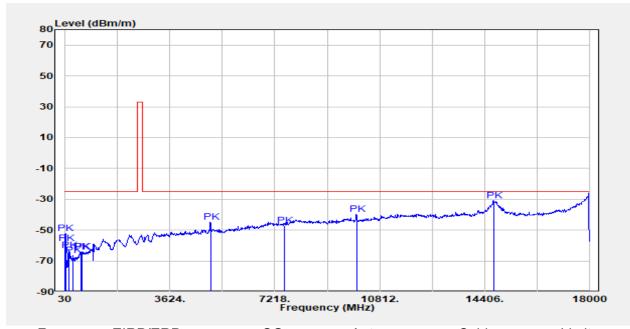
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-07-04

Test Mode :Tx Temp./Humi. :24.6℃/48%

EUT Pol :H Plane Antenna Pol. :Vertical

Test Frequency :2510 MHz Engineer :WJ Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.970	-52.42	-38.11	-13.70	-0.61	-25.00	-27.42
49.400	-58.63	-46.63	-11.21	-0.80	-25.00	-33.63
158.040	-63.19	-60.64	-1.15	-1.39	-25.00	-38.19
277.350	-66.58	-69.05	4.30	-1.82	-25.00	-41.58
551.860	-64.22	-66.00	4.35	-2.56	-25.00	-39.22
595.510	-64.12	-65.12	3.66	-2.66	-25.00	-39.12
5020.000	-44.70	-49.39	12.52	-7.83	-25.00	-19.70
7530.000	-46.93	-48.44	11.16	-9.65	-25.00	-21.93
10040.000	-40.00	-40.57	11.90	-11.33	-25.00	-15.00
14736.000	-31.10	-28.75	11.52	-13.87	-25.00	-6.10

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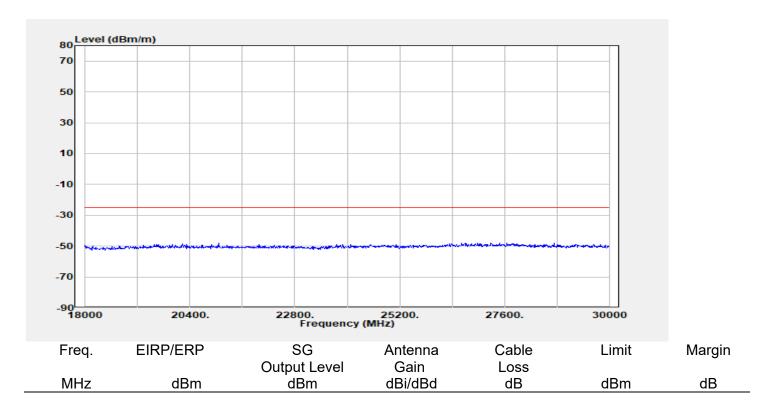
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Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-07-04

Test Mode :Tx Temp./Humi. :24.6°C/48%

EUT Pol :H Plane Antenna Pol. :Vertical
Test Frequency :2510 MHz Engineer :WJ Lin



If trace less than -20dBm, no need to mark.

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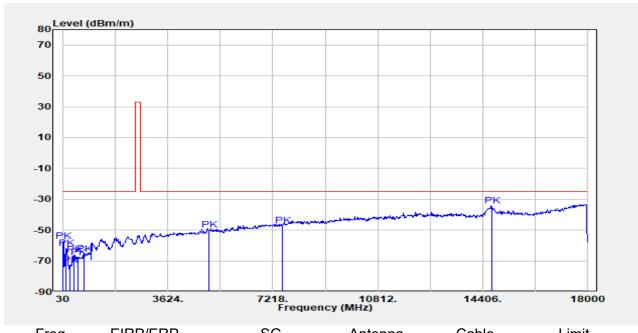
Report Number **Test Site** :SAC 1 :TERF2405001357ER

Operation Mode :LTE B41 **Test Date** :2024-07-04

:24.6°C/48% Test Mode :Tx Temp./Humi.

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :WJ Lin :2510 MHz Engineer



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
		Output Level	Gain	Loss		_
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
30.970	-57.13	-42.82	-13.70	-0.61	-25.00	-32.13
128.940	-61.81	-58.95	-1.61	-1.26	-25.00	-36.81
249.220	-72.81	-75.39	4.31	-1.74	-25.00	-47.81
388.900	-66.21	-68.28	4.22	-2.15	-25.00	-41.21
546.040	-67.71	-69.65	4.49	-2.54	-25.00	-42.71
750.710	-65.46	-66.16	3.66	-2.96	-25.00	-40.46
5020.000	-49.87	-54.56	12.52	-7.83	-25.00	-24.87
7530.000	-47.17	-48.68	11.16	-9.65	-25.00	-22.17
14719.000	-34.44	-31.98	11.41	-13.88	-25.00	-9.44

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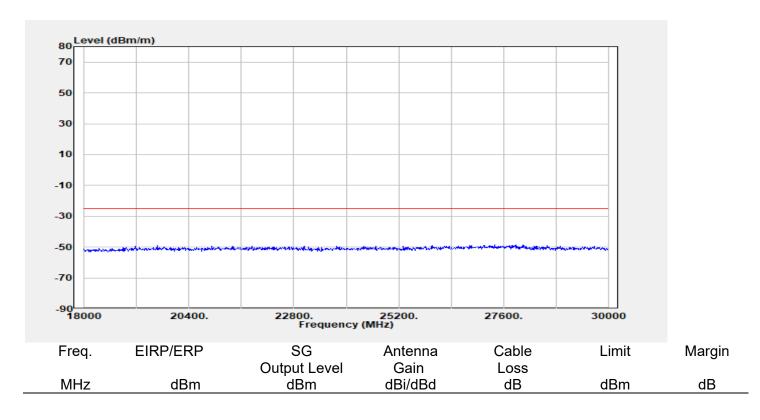
Report Number :TERF2405001357ER Test Site :SAC 1

Operation Mode :LTE B41 Test Date :2024-07-04

Test Mode :Tx Temp./Humi. :24.6℃/48%

EUT Pol :H Plane Antenna Pol. :Horizontal

Test Frequency :2510 MHz Engineer :WJ Lin



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FREQUENCY STABILITY MEASUREMENT

Reference Freq.:	LTE B12 Mid Channel		711.0000	MHz 10M QPSK CH 23130
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
	Fre	eq. ERROR vs. Vo	OLTAGE	
3.795	20	710.999993	-0.0101	
3.3	20	711.000013	0.0182	
2.805	20	710.999989	-0.0154	+/- 2.5 ppm
2.5 (End Point)	20	710.999989	-0.0160	
	ı	req. ERROR vs.	Temp.	
3.3	-30	710.999986	-0.0198	
3.3	-20	711.000013	0.0188	
3.3	-10	710.999995	-0.0068	
3.3	0	711.000009	0.0129	
3.3	10	710.999994	-0.0079	+/- 2.5 ppm
3.3	20	710.999985	-0.0209	
3.3	30	710.999995	-0.0067	
3.3	40	711.000010	0.0135	
3.3	50	710.999986	-0.0194	

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	I TE	B25 Mid						
Reference Freq.:	eterence Freq.: Channel		1855.0000	MHz 10M QPSK CH 26090				
Dower Supply Vdo	Temp.	Freq.	Delta	Limit				
Power Supply Vdc	(°C)	(MHz)	(Hz)	LIIIIIL				
Freq. ERROR vs. VOLTAGE								
3.795	20	1854.999998	-0.0009					
3.3	20	1855.000003	0.0014					
2.805	20	1854.999996	-0.0024	+/- 2.5 ppm				
2.5	20	1855.000009	0.0047					
(End Point)	20	1000.000000	0.0047					
		Freq. ERROR vs.	Temp.					
3.3	-30	1854.999996	-0.0019					
3.3	-20	1854.999985	-0.0080					
3.3	-10	1854.999997	-0.0014					
3.3	0	1854.999985	-0.0079					
3.3	10	1854.999987	-0.0071	+/- 2.5 ppm				
3.3	20	1854.999989	-0.0058					
3.3	30	1855.000007	0.0037					
3.3	40	1854.999997	-0.0015					
3.3	50	1855.000015	0.0079					

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Reference Freq.:	LTE B41 Mid Channel		2503.5000	MHz 15.M QPSK CH 39725						
Power Supply Vdc	lc Temp. (°C) Freq. (MHz)		(ppm)	Limit						
Freq. ERROR vs. VOLTAGE										
3.795 20 2503.499993 -0.0028										
3.3	20	2503.500010	0.0040							
2.805	20	2503.499997	-0.0012	+/- 2.5 ppm						
2.5 (End Point)	20	2503.499989 -0.0045								
	I	Freq. ERROR vs.	Temp.							
3.3	-30	2503.499985	-0.0058							
3.3	-20	2503.500012	0.0050							
3.3	-10	2503.499990	-0.0039							
3.3	0	2503.500013	0.0052							
3.3	10	2503.499988	-0.0049	+/- 2.5 ppm						
3.3	20	2503.499996	-0.0017							
3.3	30	2503.499993	-0.0028							
3.3	40	2503.500003	0.0011							
3.3	50	2503.499990	-0.0042							

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PEAK TO AVERAGE RATIO

	LTE BAND 12									
Cha	Channel bandwidth: 5MHz				Channel bandwidth: 10MHz					
Freq.	СН	PAPR (dB)		Freq.	СН	PAPR	(dB)			
(MHz)	5	16QAM	Limit	(MHz)	СП	16QAM	Limit			
-	-	-	-	-	-	-	-			
-	ı	-	i	i	•	-	-			
-	ı	-	ı	711.0	23130	6.14	13			
			LTE B	AND 25						
Cha	nnel band	width: 5MF	-lz	Cha	nnel band	width: 10M	Hz			
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR (dB)				
(MHz)	OH	16QAM	Limit	(MHz)	OH	16QAM	Limit			
-	1	-	1	1855.0	26090	6.06	13			
-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-			

LTE BAND 41									
Cha	nnel band	width: 15M	Hz	Channel bandwidth: 20MHz					
Freq.	СН	PAPR	(dB)	Freq.	СН	PAPR	(dB)		
(MHz)	GH	16QAM	Limit	(MHz)	СП	16QAM	Limit		
2503.5	39725	6.26	13	-	-	-	-		
-	-	-	-	2510.0	39790.0	6.32	13.0		
-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-		

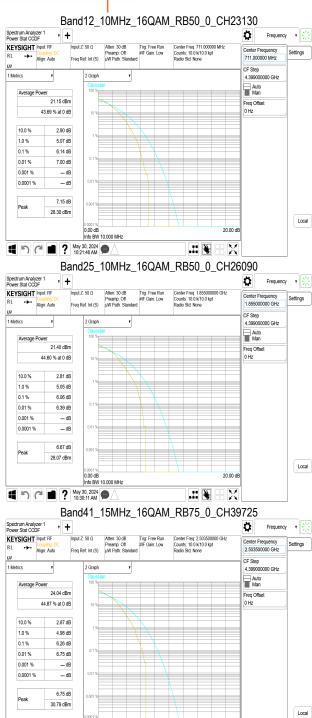
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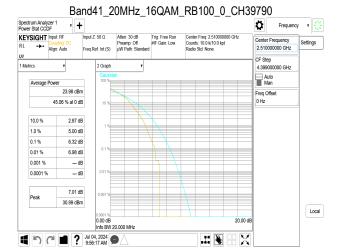
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~ End of Report ~

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非只有铅明,此数华红用摄影测验之样只有含,同既此样只属风风风干。大规华工概太八司隶而连可,不可如以推测。

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