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			RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	19975	20175	20375
	(0)		0	0	24.93	23.44	23.02
	- C	1	13	0	24.58	23.59	23.13
	O	-,0	24	0	24.36	23.49	23.05
	QPSK		0	1	23.61	22.50	22.09
		12	6	1	23.62	22.50	22.11
		5	13	1	23.48	22.61	22.18
		25	0	1	23.60	22.58	22.13
5MHz	8		0	1	23.52	22.36	22.09
	-C	1	13	1	23.48	22.50	22.23
		-CC	24	1	23.32	22.44	22.11
	16QAM		0	2	22.57	21.48	21.16
SCC	- C	12	6	2	22.55	21.44	21.11
	O	r.C	13	2	22.41	21.52	21.15
		25	0	2	22.54	21.50	21.09
Dan du dalah	Madulation	ulation RB size	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RD SIZE	offset	MPR	20000	20175	20350
		√ C	0	0	24.60	23.34	23.31
	8	1	25	0	24.44	23.58	23.35
	C	(8)	49	0	24.03	23.53	23.13
	QPSK	-60	0	1	23.63	22.52	22.36
	0	25	13	1	23.65	22.52	22.39
	- C	· (©	25	1	23.30	22.65	22.18
40MH-	O	50	0	1	23.45	22.60	22.26
10MHz			0	1	23.63	22.34	22.12
		® 1	25	1	23.47	22.65	22.12
		5	49	1	23.02	22.58	21.99
	16QAM		0	2	22.57	21.47	21.36
	3	25	13	2	22.54	21.48	21.35
	8		25	2	22.24	21.56	21.17
		50	0	2	22.39	21.53	21.26



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			RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	20025	20175	20325
	0.0		0	0	24.51	23.17	23.28
	a.C.	1	38	0	24.17	23.47	23.17
	O	- , O	74	0	23.72	23.41	22.95
	QPSK		0	1	23.46	22.20	22.50
		36	18	1	23.14	22.53	22.35
		5	39	1	22.84	22.47	22.06
458811		75	0	1	23.32	22.63	22.43
15MHz	©		0	1	23.55	22.22	22.49
	-C	1	38	1	23.13	22.54	22.34
		- GC	74	1	22.78	22.46	22.09
	16QAM		0	2	23.51	22.21	22.46
Sec	a.C.	36	18	2	23.15	22.55	22.34
	O	-,0	39	2	22.80	22.43	22.10
		75	0	2	22.21	21.50	21.38
Bandwidth	Modulation	dulation RB size	RB	Target	Channel	Channel	Channel
Danuwium	Wodulation	KD SIZE	offset	MPR	20050	20175	20300
			0	0	24.32	23.03	23.23
	3) (S)	1	50	0	24.06	23.58	23.49
	-C	@	99	0	23.75	23.25	22.86
	QPSK	100 C	0	1	23.25	22.36	22.67
	(8)	50	25	1	23.27	22.36	22.67
	a.C.	©	50	1	23.11	22.56	22.17
20MU-		100	0	1	23.15	22.45	22.46
20MHz			0	1	23.20	21.99	22.37
	C	o 1	50	1	23.08	22.52	22.63
			99	1	22.67	22.17	22.00
	16QAM		0	2	22.24	21.32	21.63
	8)	50	25	2	22.20	21.35	21.61
	0		50	2	22.03	21.53	21.12
		100	0	2	22.12	21.39	21.38



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		Co	nducted	Power of LTE E	Band 5(dBm)		
.			RB		Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	20407	20525	20643
	@		0	0	23.03	23.08	23.14
	a.C	1	3	0	23.11	23.17	23.22
	O	-,0	5	0	22.96	23.04	23.11
	QPSK		0	0	23.05	23.12	23.12
		3	2	0	23.08	23.12	23.14
		5	3	0	23.05	23.12	23.17
4 48411		6	0	1	21.98	22.14	22.13
1.4MHz	8		0	1	21.91	21.95	21.88
	a.C	1	3	1	22.03	22.19	22.06
		-60	5	1 6	21.74	21.95	21.92
	16QAM		0	1_0	21.90	21.96	21.98
GC.	- 0	3	2	1	21.90	21.94	21.95
	O	-,0	3	1 💿	21.81	21.95	21.96
		6	0	2	20.78	21.10	20.94
2 a.u. alı. a.i. al4 la	Madulation	DD -:	RB	Tannat MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	20415	20525	20635
			0	0	23.42	23.01	23.15
	© (©	1	7	0	22.95	23.08	23.17
	a.C	8	14	0	22.92	23.13	23.13
	QPSK	-60	0	1 6	21.91	22.03	22.09
		8	4	1	21.90	22.04	22.09
	- 0	8	7	1	21.90	22.08	22.07
08411-		15	0	1	21.90	22.05	22.07
3MHz			0	1	22.56	22.01	21.96
,c		o 1	7	1	21.95	22.08	21.88
		5	14	1	21.96	22.09	21.89
	16QAM		0	2	20.96	21.02	21.05
	3	8	4	2	20.94	21.00	21.05
			7	2	20.89	21.07	21.01
	- G	15	0	2	20.89	20.98	20.98



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D 1 1141	NA . I lada	DD -: -	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	20425	20525	20625
	8		0	0	23.36	22.95	22.98
	a.C	1	13	0	23.04	23.19	23.14
	VO .	6,0	24	0	23.03	23.06	22.97
	QPSK		0	1	21.90	21.91	22.16
		12	6	1	21.90	21.95	22.15
		5	13	1	21.98	22.06	22.00
53411		25	0	1	21.96	22.08	22.07
5MHz	· (8)		0	1	21.84	21.79	22.03
	-C	1	13	1	21.95	22.07	22.19
		- GO	24	1	21.94	21.90	22.04
	16QAM		0	2	20.84	20.92	21.11
	- C	12	6	2	20.84	20.92	21.14
	O	c.C	13	2	20.92	21.04	21.01
		25	0	2	20.90	21.03	21.03
ما 4 امار المار مراد مارد	Madulation	DD ains	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	20450	20525	20600
		√ C	0	0	22.55	22.77	23.20
	8	1	25	0	22.38	23.21	23.20
	C	(8)	49	0	22.84	23.16	23.12
	QPSK	.60	0	1	21.12	21.99	22.16
	(0)	25	13	1	21.13	21.99	22.17
	-6	©	25	1	21.70	22.17	21.94
40111-		50	0	1	21.37	22.15	22.05
10MHz			0	1	21.25	21.59	21.87
		0 1	25	1	21.48	21.92	21.95
		5	49	1	21.79	21.96	21.83
	16QAM		0	2	20.05	20.93	21.11
	3	25	13	2	20.04	20.98	21.14
	8		25	2	20.61	21.17	20.96
		50	0	2	20.33	21.09	21.01



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				1 1	nd 7 (dBm)	Observation	01
Bandwidth	Modulation	RB size	RB	Target MPR	Channel	Channel	Channel
			offset		20775	21100	21425
	@		0	0	24.01	23.38	22.34
	CO	1	12	0	24.02	23.50	22.53
			24	0	23.78	23.36	22.48
	QPSK		0	1	22.92	22.43	21.35
	.C	12	6	1	22.97	22.43	21.32
	2 (1)		13	1	22.79	22.36	21.40
5MHz		25	0	1	22.86	22.41	21.40
JIVII IZ	0		0	1	22.83	22.36	21.17
	C.C	1	12	1	22.85	22.51	21.38
		100 E	24	1 ®	22.60	22.38	21.33
	16QAM		0	2	21.88	21.42	20.28
	-C	12	6	2	21.90	21.42	20.26
	SO .	-,0	13	_ 2	21.74	21.36	20.34
		25	0	2	21.83	21.34	20.32
Bandwidth	Modulation	n RB size	RB	Target	Channel	Channel	Channel
Danuwium	Wodulation	ND SIZE	offset	MPR	20800	21100	21400
			0	0	24.00	23.58	22.32
	©	1	24	0	23.90	23.65	22.53
	-C	®	49	0	23.78	23.51	22.49
	QPSK	-60	0	1 🕤	22.94	22.53	21.34
		25	12	_1	22.92	22.52	21.32
	- 0	(8)	25	1	22.80	22.47	21.46
40MH-	C C	50	0	1	22.87	22.50	21.40
10MHz			0	1	22.97	22.31	21.24
	C	o 1	24	1	22.86	22.33	21.48
	9 ~(49	1	22.74	22.28	21.44
	16QAM		0	2	21.83	21.48	20.22
	3	25	12	2	21.88	21.51	20.21
	8	8	25	2	21.72	21.46	20.36
	~ GV	50	0	2	21.78	21.41	20.26



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Dan de del	Madulation	DD -:	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	20825	21100	21375
	·		0	0	23.90	23.47	22.29
	C	1 9	37	0	23.79	23.45	22.39
		CO	74	0	23.71	23.32	22.38
	QPSK		0	_ (1)	22.82	22.55	21.23
	- 6	37	16	1	22.73	22.54	21.31
	G	C	35	1	22.70	22.43	21.32
4 FMU -		75	0	1	22.94	22.59	21.44
15MHz			0	1	22.84	22.57	21.24
	- C	1	37	1	22.74	22.50	21.34
		~ GC	74	1	22.68	22.39	21.28
	16QAM		0	2	22.79	22.59	21.21
	C	37	16	2	22.74	22.51	21.33
		60	35	2	22.70	22.42	21.33
		75	0	2	21.82	21.51	20.30
Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channel
Bandwidth	Woddiation	ND SIZE	offset	MPR	20850	21100	21350
			0	0	23.72	23.55	22.39
		1	49	0	23.81	23.61	22.54
	- C		99	0	23.64	23.30	22.23
	QPSK		0	1 0	22.73	22.58	21.30
	⊗	50	25	1	22.77	22.57	21.35
	a.C	0	49	1	22.87	22.42	21.36
20MHz		100	0	1	22.83	22.50	21.33
ZUIVII IZ			0	1	22.52	22.59	21.24
CC	-6	® 1	49	1	22.67	22.59	21.27
	G -		99	1	22.48	22.39	21.06
	16QAM		0	2	21.71	21.55	20.28
	8	50	25	2	21.66	21.54	20.24
		2	49	2	21.82	21.33	20.29
		100	0	2	21.78	21.46	20.28



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		.	RB		Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	23017	23095	23173
		®	0	0	23.21	22.75	23.37
	G	_ 1	3	0	23.30	22.76	23.44
			5	0	23.21	22.53	23.32
	QPSK		0	0	23.28	22.65	23.44
	30 -0	3	2	0	23.28	22.69	23.42
			3	0	23.31	22.60	23.40
4 45411		6	0	0 1	22.22	21.64	22.37
1.4MHz		8	0	1	22.09	21.49	22.21
		1.0	3	1	22.26	21.47	22.34
			5	1	22.11	21.31	22.23
	16QAM	@	0	1	22.13	21.48	22.22
	GU	3	2	1	22.09	21.50	22.21
			3	1	22.08	21.41	22.22
8	6	6	0	2	21.25	20.48	21.43
Name 1 1 141	Mar I Jadan	DD -1 -	RB	Towns (MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	23025	23095	23165
	3		0	0	23.43	22.90	22.13
		1	7	0	23.29	22.70	22.10
	100	a.C	14	0	23.35	22.47	22.06
	QPSK		0	1	22.27	21.73	21.05
	8	8	4	10	22.28	21.72	21.12
	GU	- C	7 🏻	1	22.30	21.45	21.06
		15	0	1	22.25	21.59	21.04
3MHz	8		0		22.33	21.76	20.78
	,0	1	7	1	22.34	21.45	20.84
			14	1	22.36	21.24	20.86
	16QAM		0	2	21.31	20.68	20.04
	· · · · · · · · · · · · · · · · · · ·	8	4	2	21.31	20.71	20.06
	r.C		7	2	21.35	20.45	20.06
		15	0	2	21.31	20.54	20.00



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D 1 110		DD :	RB	T	Channel	Channel	Channe
Bandwidth	Modulation	RB size	offset	Target MPR	23035	23095	23155
	(8)		0	0	23.29	22.93	22.10
	C	1	13	0	23.46	22.61	22.12
	O	-,0	24	0	23.29	22.24	22.05
	QPSK		0	1	22.25	21.84	21.04
		12	6	1	22.22	21.81	21.03
		5	13	1	22.30	21.34	21.05
- NAI 1		25	0	_ (1	22.25	21.62	21.07
5MHz	8		0	1	22.18	21.99	20.92
	a.C	1	13	1	22.32	21.68	21.02
		-00	24	1 @	22.13	21.29	20.88
	16QAM		0	2	21.25	20.86	20.06
	- 0	12	6	2	21.22	20.91	20.07
	O	-,0	13	2	21.36	20.39	20.10
		25	0	2	21.34	20.58	20.13
Dan du dalah	Madulation	DD ains	RB	Toward MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	23060	23095	23130
		√ C	0	0	23.32	23.25	22.82
	3	1	25	0	23.40	22.82	22.43
	Z.G	8	49	0	22.51	22.16	22.11
	QPSK	-00	0	1 6	22.24	21.96	21.68
	i i	25	13	1 0	22.24	21.97	21.69
	-C	0	25	1	22.00	21.23	21.21
10MU-	O	50	0	1	22.11	21.68	21.47
10MHz			0	1	22.07	22.24	21.64
		® 1	25	1	22.19	21.88	21.21
) (5	49	1	21.22	21.14	20.91
	16QAM		0	2	21.32	20.99	20.72
	3	25	13	2	21.30	20.98	20.72
	8		25	2	21.03	20.26	20.25
		50	0	2	21.13	20.65	20.54



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			RB		Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	23755	23790	23825
			0	0	23.03	22.49	22.05
	60	_ 1	13	0	22.75	22.25	22.09
			24	0	22.33	21.94	21.98
	QPSK		0	1	21.94	21.41	20.90
	,C	12	6	1	21.89	21.41	20.94
			13	1	21.51	21.00	21.04
	0	25	0	1	21.69	21.22	21.00
5MHz		®	0	1	22.09	21.34	20.96
		1.0	13	1	21.83	21.11	20.99
			24	1_	21.36	20.84	20.92
	16QAM	@	0	2	20.98	20.43	19.93
	GU	12	6	2	20.98	20.44	19.99
			13	2	20.56	20.05	20.05
	8	25	0	2	20.67	20.29	20.02
Daniel al (1)	Madulatian	DD -:	RB	Towns MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	23780	23790	23800
	3		0	0	23.60	22.97	22.76
		1 💿	25	0	22.50	22.32	22.19
		-C	49	0	22.01	21.98	22.04
	QPSK		0	1	21.77	21.74	21.60
	0	25	13	1	21.81	21.72	21.61
	CO	C	25	1	21.08	21.12	21.16
400411-		50	0	1 8	21.54	21.47	21.36
10MHz	8		0	1	22.08	21.74	21.47
	30	1	25	1	21.42	21.09	20.85
			49	1	21.01	20.82	20.75
	16QAM	100	0	2	20.78	20.76	20.64
	8	25	13	2	20.76	20.75	20.62
	.00		25	2	20.08	20.13	20.19
		50	0	2	20.50	20.47	20.37



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Dan I 1111	Maril 174	DD :	RB	Tanani (MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	26047	26365	26683
	@		0	0	22.22	22.12	21.71
	C	1	2	0	22.27	22.16	21.88
	O	-,0	5	0	22.14	22.05	21.73
	QPSK		0	0	22.21	22.14	22.24
		3	1	0	22.20	21.35	21.62
		5	3	0	22.19	22.04	21.61
4 48411		6	0	1	21.26	21.26	20.88
1.4MHz	8		0	1	21.03	21.04	20.56
	a.C	1	2	1	21.18	21.17	20.63
		- GO	5	1 0	21.02	21.02	20.46
	16QAM		0	1	21.00	20.98	20.46
	- C	3	1	1	21.00	20.99	20.47
	O	r.C	3	1 🛞	20.99	20.97	20.41
		6	0	2	20.16	20.16	19.73
Dan dudalth	Madulation	DD ains	RB	Toward MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	26055	26365	26675
			0	0	22.28	22.25	21.68
	3	1	8	0	22.18	22.17	21.67
	C	8	14	0	22.13	22.14	21.71
	QPSK	.00	0	1 6	21.24	21.23	20.78
		8	4	1	21.23	21.20	20.83
	- C	(8)	7	1	21.16	21.17	20.78
08411-		15	0	1	21.17	21.15	20.69
3MHz			0	1	21.26	21.11	20.46
		® 1	8	1	21.11	20.97	20.48
		5	14	1	21.08	20.93	20.44
	16QAM		0	2	20.20	20.13	19.71
	3	8	4	2	20.15	20.12	19.70
	8		7	2	20.14	20.05	19.64
		15	0	2	20.12	20.00	19.56



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Dandwidth	Modulation	DD oins	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	26065	26365	26665
		(8)	0	0	22.27	22.13	21.78
	G	1	12	0	22.26	22.10	21.76
			24	0	22.00	21.95	21.74
	QPSK	·	0	1	21.22	21.22	20.82
	30	12	6	1	21.18	21.21	20.83
	NO	C	13	1	21.04	21.08	20.58
5MHz	9	25	0	1	21.13	21.17	20.71
SIVITIZ	-6	@	0	1	21.13	21.25	20.64
		1	12	1	21.07	21.21	20.65
			24	1	20.88	21.09	20.49
	16QAM	(8)	0	2	20.12	20.23	19.77
	O	12	6	2	20.16	20.19	19.78
0			13	2	19.94	20.12	19.58
	©	25	0	2	20.08	20.07	19.72
Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channel
Januwidin	Woddiation	ND SIZE	offset	MPR	26090	26365	26640
	3		0	0	22.23	22.30	21.83
	-6	1 @	24	0	22.10	22.19	21.84
		-C	49	0	21.87	21.93	21.58
	QPSK		0	1	21.17	21.32	20.91
	8	25	12	1	21.18	21.30	20.92
	G	-G	25	1	21.00	21.13	20.64
10MU=		50	0	1	21.07	21.23	20.81
10MHz	0	0	0	1	21.21	21.13	20.66
	30	1	24	1	21.09	21.14	20.62
	NO		49	1 ®	20.80	20.80	20.38
	16QAM		0	2	20.05	20.25	19.90
	1 ®	25	12	2	20.09	20.31	19.85
	100 A		25	2	19.91	20.07	19.59
		50	0	2	19.99	20.17	19.69



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D 1 1141	No. 1 ledies	DD -: -	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	26115	26365	26615
	(8)		0	0	22.15	22.16	21.86
	a.C	1	38	0	21.97	22.04	21.86
	NO .		74	0	21.73	21.71	21.54
	QPSK		0	1	21.08	21.33	20.66
		38	18	1	20.93	21.22	20.66
		5	37	1	20.71	20.85	20.30
45551		75	0	1	20.98	21.28	20.91
15MHz	© (S		0	1	21.05	21.29	20.66
	-C	1	38	1	20.92	21.27	20.65
		- GC	74	1	20.73	20.86	20.31
	16QAM		0	2	21.07	21.31	20.63
	- C	38	18	2	20.92	21.23	20.67
<u> </u>	O	-,0	37	2	20.73	20.88	20.31
		75	0	2	19.92	20.20	19.85
ما 4 امار المار مراد مارد	Madulation	DD ains	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	26140	26365	26590
			0	0	21.99	22.06	21.52
	8	1	49	0	22.01	22.23	22.05
	a.C	(8)	99	0	21.81	21.56	21.36
	QPSK	-60	0	1	20.89	21.33	20.96
	(2)	50	25	1	20.88	21.35	20.93
	-6	@	50	1	20.86	20.97	20.67
201411-		100	0	1	20.90	21.15	20.78
20MHz			0	1	20.81	21.14	20.42
		® 1	49	1	20.86	21.41	20.86
		5	99	1	20.60	20.70	20.23
	16QAM		0	2	19.81	20.32	19.95
	3	50	25	2	19.83	20.34	19.90
	8		50	2	19.90	19.92	19.68
		100	0	<u>2</u>	19.84	20.07	19.75



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		Con	ducted F	Power of LTE Ba	and 26A(dBm)		
Bandwidth	Modulation	RB size	RB	Target MPR	Channel	Channel	Channel
Danawiath	wodulation	KB Size	offset	Target WPK	26797	26915	27033
	8		0	0	22.80	22.74	22.87
	a.C	1	2	0	22.84	22.97	23.03
		-,0	5	0 🌑	22.72	22.84	22.91
	QPSK		0	0	22.82	22.95	22.94
	C	3	1	0	22.79	22.92	22.94
		5	3	0	22.78	22.90	22.96
4 4MU=		6	0	1	21.73	21.99	21.88
1.4MHz	©		0	1	21.60	21.67	21.67
16QAM	1	2	1	21.68	21.85	21.84	
	- GO	5	1 6	21.54	21.75	21.68	
	16QAM		0	1 0	21.64	21.70	21.80
	a.C	3	1	1	21.64	21.71	21.77
	O	-,0	3	1 💿	21.63	21.75	21.77
		6	0	2	20.56	21.06	20.70
Bandwidth	Modulation	RB size	RB	Target MPR	Channel	Channel	Channel
Danuwium	Wiodulation	KD SIZE	offset	Target WFK	26805	26915	27025
			0	0	23.40	23.25	23.43
	®	1	8	0	23.33	23.30	23.39
	′C	@	14	0	23.37	23.33	22.96
	QPSK	-60	0	1	22.32	22.19	22.06
	(a)	8	4	1	22.26	22.37	22.15
	- C	8	7	1	22.30	22.40	22.10
28411-	O	15	0	1	22.24	22.32	22.19
3MHz			0	1	22.37	22.36	22.19
5		。 1	8	1	22.32	22.19	22.19
		5	14	1	22.33	22.00	21.68
	16QAM		0	2	21.28	21.34	21.16
	3	8	4	2	21.31	21.33	21.41
	8		7	2	21.08	21.37	21.11
~ C ₁ O	.00	15	0	2	21.25	21.35	21.24



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S	Ma delation	DD -:	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	26815	26915	27015
	(8)		0	0	23.23	23.26	23.37
	a.C	1	12	0	23.39	23.49	23.43
		C,O	24	0	23.41	23.45	23.33
	QPSK		0	1	22.30	22.31	22.47
	C	12	6	1	22.29	22.34	22.47
		5	13	1	22.38	22.42	22.29
EMU-		25	0	_1	22.34	22.40	22.45
5MHz	®		0	1	22.30	22.10	22.40
	~ C	1	12	1	22.43	22.42	22.52
		- GU	24	1	22.49	22.28	22.35
16Q.	16QAM		0	2	21.33	21.29	21.54
	a.C	12	6	2	21.28	21.29	21.59
		6,0	13	2	21.47	21.40	21.36
		25	0	2	21.36	21.36	21.41
Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channel
banuwiuin	Wodulation	KD SIZE	offset	MPR	26840	26915	26990
			0	0	22.53	23.14	23.44
	8	1	24	0	22.88	23.60	23.62
	' aG	@	49	0	23.17	23.50	23.44
	QPSK	100 C	0	1	21.56	22.43	22.54
	(6)	25	12	1	21.60	22.41	22.56
	-C	@	25	1	22.07	22.47	22.26
10MHz		50	0	1	21.79	22.45	22.44
TUIVITZ			0	1	21.33	21.92	22.45
3	C	o 1	24	1	21.77	22.27	22.55
		G	49	1	22.05	22.24	22.44
	16QAM		0	2	20.59	21.40	21.48
	S)	25	12	2	20.58	21.38	21.48
			25	2	21.07	21.52	21.24
	× 600	50	0	® 2	20.82	21.46	21.42



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Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channel
bandwidth	Wiodulation	KD SIZE	offset	MPR	26865	26915	26965
	©		0	0	22.39	22.80	23.26
	a.C	1	38	0	22.97	23.48	23.51
			74	0	23.27	23.41	23.30
QPSk	QPSK		0	1	21.47	21.54	22.25
	C	38	18	1	22.11	22.18	22.50
		5	37	1	22.35	22.18	22.24
4 E M LI =		75	0	_1	21.98	22.42	22.42
15MHz	· (8)		0	1	21.53	21.55	22.26
	Z.C	1	38	1	22.09	22.21	22.52
160		< GO	74	1	22.43	22.12	22.34
	16QAM		0	2	21.50	21.50	22.26
	a.C	38	18	2	22.11	22.16	22.48
	10	30	37	2	22.36	22.12	22.34
		75	0	2	21.00	21.32	21.40



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		Con	ducted F	Power of LTE Ba	and 26B(dBm)		
Dan desideb	Madulation	DD -:	RB	Towns MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	26697	26740	26783
	(3)		0	0	23.79	23.08	22.71
	C	1	2	0	23.45	23.24	22.84
		-,0	5	0	23.16	22.99	22.68
	QPSK		0	0	23.36	23.17	22.85
		3	1	0	23.37	23.18	22.86
		5	3	0	23.35	23.13	22.75
1.4MHz 16QAM		6	0	1	22.30	22.12	21.77
	8		0	1	22.20	22.01	21.65
	C	1	2	1	22.33	22.27	21.83
	- GO	5	1 @	22.10	21.91	21.59	
	16QAM		0	1, 0	22.15	22.00	21.67
	- C	3	1	1	22.20	22.02	21.67
	O	-,0	3	1 😞	22.13	21.95	21.56
		6	0	2	21.25	21.08	20.75
N =l! -l4l-	Madulation	DD -:	RB	Towns MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	26705	26740	26775
			0	0	23.40	23.18	22.90
	(a)(b)(c)(d)(d)(e)(e)(f)(f)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)(g)<	1	8	0	23.29	23.14	22.80
	a.C	8	14	0	23.29	23.06	22.77
	QPSK	-60	0	1 @	22.29	22.07	21.85
		8	4	1	22.26	22.11	21.83
	- C	(8)	7	1	22.23	22.05	21.77
OM11-	O	15	0	1	22.22	22.07	21.76
3MHz			0	1	22.26	21.89	21.96
		® 1	8	1	22.09	21.85	21.78
		5	14	1	22.05	21.85	21.79
	16QAM		0	2	21.25	21.05	20.85
	3	8	4	2	21.22	21.04	20.84
			7	2	21.17	20.99	20.71
	- G-	15	0	2	21.14	20.94	20.76



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Day - 1- 1-14	Madelata	DD -:	RB	Towns MDD	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	Target MPR	26715	26740	26765
	@		0	0	23.44	23.09	23.04
	a.C	1	12	0	23.34	23.18	22.96
	O	-,0	24	0	23.13	22.87	22.71
	QPSK		0	10	22.31	22.17	21.97
		12	6	1	22.23	22.18	21.94
		5	13	1	22.17	21.90	21.77
		25	0	1	22.29	22.13	21.97
5MHz	8		0	1	22.21	22.12	21.89
	a.C	1	12	1	22.24	22.17	21.79
		- GO	24	1 0	21.97	21.90	21.57
	16QAM		0	2	21.27	21.17	21.00
	- C	12	6	2	21.23	21.19	21.00
	O	-,0	13	2	21.12	20.96	20.77
		25	0	2	21.30	21.08	20.93
Bandwidth	Modulation	RB size	RB	Target MPR		Channel	
bandwidth	Wiodulation	ND SIZE	offset	Target WIFK		26740	
		C	0	0	8	23.34	
	8	1	24	0		23.42	
	-C	8	49	0		22.77	8
	QPSK	< GO	0	1 6		22.36	2.G
	@	25	12	1_0	@	22.33	
	C	· (©	25	1	60	21.98	(8)
10MHz		50	0	1		22.11	
IUIVINZ			0	1	(8)	22.08	
5	C	® 1	24	1	a.C	22.02	
		5	49	1	V .6	21.59	8
	16QAM		0	2	8	21.36	6.0
	3	25	12	2	6	21.31	
	0		25	2	- 40	20.99	®
	, GO		0	2		21.07	



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Bandwidth	Modulation	RB size	RB	Target MPR	Channel 26765	
Danawiani	Wiodulation	RD SIZE	offset	Target WFK		
	®	10	0	0	23.81	
	6	1	38	0 0	22.99	
	- 60	(8)	74	0	22.81	
	QPSK	0	0	1	22.08	
	6	38	18	1 0	21.74	
	- CO	(8)	37	1	21.53	
15MHz	D C	75	0	1	22.07	
ISIVIEZ	8		0	1	22.23	
	20 °	1	38	1	21.74	
	60	-6	74	1	21.47	
	16QAM		0	2	22.07	
	6	38	18	2	21.75	
	- 60	(8)	37	2	21.49	
		75	0	2	20.98	



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		Condu	cted Power	of LTE Bar	nd 38 (dBm)		
Donado di Alth	Madulation	DD ei-e	RB	Target	Channel	Channel	Channe
Bandwidth	Modulation	RB size	offset	MPR	37775	38000	38225
	®		0	0	23.17	22.90	22.95
	a.C	1	12	0	23.44	23.09	23.21
	.0	-,0	24	_© 0	23.34	22.97	23.02
	QPSK		0	1	22.21	21.91	22.05
	C	12	6	1	22.24	21.91	22.00
	2		13	1	22.37	21.95	21.95
5MHz		25	0	1	22.30	21.99	21.98
SIVIEZ	8		0	1	22.13	21.75	21.81
16QAM	-C	1 8	12	1	22.41	21.91	22.05
		-00 T	24	1 ®	22.34	21.78	21.92
	16QAM		0	2	21.22	20.84	20.96
	C	12	6	2	21.18	20.86	20.95
	C .	-,0	13	_ 2	21.37	20.89	20.98
		25	0	2	21.22	20.92	20.98
Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channe
bandwidth	Wodulation	RD SIZE	offset	MPR	37800	38000	38200
		1	0	0	23.22	22.98	23.01
	©		24	0	23.70	23.30	23.31
	-C	@	49	0	23.36	23.08	23.05
	QPSK	-00	0	1 🔞	22.31	22.02	22.01
		25	12	1	22.31	21.99	22.02
	- 0	®	25	1	22.47	22.02	22.03
40MU=	C .	50	0	1	22.36	21.97	22.05
10MHz			0	1	22.15	21.76	21.71
	C	o 1	24	1	22.65	22.05	22.03
	2	5	49	1	22.36	21.82	21.82
	16QAM		0	2	21.22	20.88	21.00
	3	25	12	2	21.23	20.90	20.99
	8	8	25	2	21.38	20.99	20.96
		50	0	2	21.31	20.95	20.98



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Dan de didi	BA a shalladia a	DD -!	RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	37825	38000	38175
	®		0	0	23.16	22.82	23.11
	C	1 ®	38	0	23.46	22.94	23.01
	NO .	60	74	0	23.05	22.96	22.97
	QPSK		0	_ (1)	22.15	21.88	21.82
	46	37	18	1	22.34	22.06	21.74
	0	C	37	1	22.00	22.01	21.69
15MHz 16QAM		75	0	1	22.38	22.01	22.12
			0	1	22.11	21.90	21.83
	1	38	1	22.39	22.03	21.76	
	100	74	1	21.97	22.06	21.61	
	16QAM		0	2	22.09	21.90	21.82
	- C	37	18	2	22.38	22.06	21.74
		60	37	2	21.99	22.02	21.66
		75	0	2	21.24	20.96	21.04
Bandwidth	Modulation	RB size	RB	Target	Channel	Channel	Channel
Danuwiuin	Modulation	KD SIZE	offset	MPR	37850	38000	38150
		< C	0	0	23.02	22.79	22.79
		1	49	0	23.62	23.29	23.18
	-C		99	0	22.79	22.97	22.70
	QPSK	~ GC	0	1 0	22.24	21.88	22.04
	0	50	25	1	22.25	21.85	22.07
	-0	@	49	1	22.13	22.02	21.90
20MHz		100	0	1	22.16	21.93	22.00
ZUIVITIZ			0	1	21.86	21.86	21.55
		_® 1	49	1	22.41	22.29	21.96
	0	G	99	1	21.60	22.00	21.49
	16QAM		0	2	21.18	20.79	21.05
	8	50	25	2	21.18	20.81	21.07
		(8)	49	2	21.06	20.96	20.88
		100	0	2	21.10	20.88	20.89



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			RB	Target	Channel	Channel	Channel
Bandwidth	Modulation	RB size	offset	MPR	39675	40620	41565
		0	0	0	21.00	21.49	21.21
	< GO	1	12	0	21.19	21.46	21.13
		O	24	0	21.00	21.55	20.94
	QPSK		0	1	21.83	20.57	20.18
	30	12	6	1	21.92	20.56	20.18
		. (4	13	1	21.89	20.45	20.08
C A 1 1	8	25	0	1	21.88	20.49	20.12
5MHz		8	0	1	21.00	20.58	20.45
		1.0	12	1	21.84	20.58	20.18
			24	1	21.00	20.52	20.22
	16QAM	(8)	0	2	21.00	19.55	19.21
	<0°	12	6	2	20.98	19.53	19.19
			13	2	20.86	19.53	19.09
	0	25	0	2	20.93	19.53	19.13
	Madulation	DD -:	RB	Target	Channel	Channel	Channe
andwidth	Modulation	RB size	offset	MPR	39700	40620	41540
	8		0	0	22.72	21.47	21.07
		1	24	0	22.65	21.31	21.05
		a.C	49	0	22.43	21.43	20.82
	QPSK		0	1	21.91	20.46	20.28
	8	25	12	1	21.92	20.47	20.29
	~GO	-C	25	1	21.76	20.53	20.11
400411-		50	0	1	21.88	20.45	20.23
10MHz	8		0	1	21.99	19.81	20.65
	30	1	24	1	21.90	19.75	20.66
			49	® 1	21.75	19.92	20.41
	16QAM		0	2	20.88	19.08	19.52
		25	12	2	20.89	19.04	19.48
	- 40		25	2	20.73	19.06	19.56
		50	0	2	20.88	19.07	19.54



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			RB	Torgot	Channel	Channel	Channe
Bandwidth	Modulation	RB size	offset	Target _ MPR	39725	40620	41515
			0	0	24.17	22.66	21.86
	- 6	1	37	0	23.40	22.14	21.74
		CO	74	0	23.43	22.26	21.63
	QPSK		0	1	23.30	21.74	20.97
		37	19	1	22.55	21.24	20.90
	6	C	38	1	22.61	21.38	20.83
453411		75	0	1	22.45	21.30	20.48
15MHz	0		0	1	23.34	21.77	21.02
	-C	1	37	1	22.57	21.26	20.92
		- GO	74	1 💿	22.61	21.39	20.84
	16QAM		0	2	23.29	21.74	20.97
	- C	37	19	2	22.55	21.25	20.89
		CO.	38	2	22.60	21.38	20.83
		75	0	2	21.47	20.30	19.52
Domalusi alth	Modulation	RB size	RB	Target	Channel	Channel	Channe
Bandwidth	Modulation	RB Size	offset	MPR	39750	40620	41490
			0	0	24.39	22.95	22.06
	8	1	49	0	23.45	22.36	21.66
	-C	8	99	0	23.74	22.43	21.81
	QPSK	.00	0	1 💿	22.85	21.71	20.83
	0	50	25	1	22.85	21.71	20.84
	-C	@	50	1	22.52	21.41	20.65
20MHz		100	0	1	22.68	21.56	20.73
ZUIVITZ			0	1	23.38	21.92	21.07
	-0	o 1	49	1	22.43	21.32	20.68
	0	C	99	1	22.72	21.38	20.83
	16QAM		0	2	21.90	20.72	19.90
	0	50	25	2	21.90	20.73	19.90
		©	50	2	21.55	20.42	19.70
		100	0	2	21.71	20.56	19.77



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The following tests were conducted according to the test requirements outlined in section 6.2 of the 3GPP TS36.101 specification.

UE Power Class: 3 (23 +/- 2dBm). The allowed Maximum Power Reduction (MPR) for the maximum output power due to higher order modulation and transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3.3-1 of the 3GPP TS36.101.

Table 6.2.3.3-1 Maximum Power Reduction (MPR) for Power class3

Modulation	Modulation Maximum Power Reduction (MPR) for Power[RB]								
Modulation	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz	MPR(dB)		
QPSK	>5	>4	>8	>12	>16	>18	≤1		
16QAM	_ ≤5	≤4	≤8	≤12	≤16 ⊚	≤18	≤1		
16QAM	>5	>4	>8	>12	>16	>18	≤2		

The allowed A-MPR values specified below in Table 6.2.4.3-1 of 3GPP TS36.101 are in addition to the allowed MPR requirements. All the measurements below were performed with A-MPR disabled, by using Network Signaling Value of "NS_01".3



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Table 6.2.4.3-1: Additional Maximum Power Reduction (A-MPR) / Spectrum Emission requirements

Network Signaling value	Requirements (sub-clause)	E-UTRA Band	Channel bandwidth (MHz)	Resources Blocks (N _{RB})	A-MPR (dB)
NS_01	6.6.2.1.1	Table 5.2-1	1.4,3,5,10,15,20	Table 5.4.2-1	N/A
8		.09	3	>5	≤1
- C		0.4.40.00	5	>6	≤ 1
NS_03	6.6.2.2.3.1	2,4,10, 23,	10	>6	≤ 1
		25,35,36	15	>8	≤1
©			20	>10	≤ 1
NO 04	00000	44	5	o >6	≤1
NS_04	6.6.2.2.3.2	41	10, 15, 20	Table 6	.2.4.3-4
NS_05	6.6.3.3.3.1	9 1	10,15,20	≥ 50	≤ 1
NS_06	6.6.2.2.3.3	12, 13, 14, 17	1.4, 3, 5, 10	Table 5.4.2-1	N/A
NS_07	6.6.2.2.3.3 6.6.3.3.3.2	13	10	Table 6.2.4.3-2	Table 6.2.4.3-2
NS_08	6.6.3.3.3.3	19	10, 15	> 44	≤ 3
NO 00	0.00004	0.4	40.45	> 40	≤ 1
NS_09	6.6.3.3.3.4	21	10, 15	> 55	≤ 2
NS_10		20	15, 20	Table 6.2.4.3-3	Table 6.2.4.3-3
NS_11	6.6.2.2.1 6.6.3.3.13	231	1.4, 3, 5, 10,15,20	Table 6.2.4.3-5	Table 6.2.4.3-5
NS_12	6.6.3.3.5	26	1.4, 3, 5	Table 6.2.4.3-6	Table 6.2.4.3-6
NS_13	6.6.3.3.6	26	5	Table 6.2.4.3-7	Table 6.2.4.3-7
NS_14	6.6.3.3.7	26	10, 15	Table 6.2.4.3-8	Table 6.2.4.3-8
NC 45	0.000	00	4 4 0 5 40 45	Table 6.2.4.3-9	Table 6.2.4.3-9,
NS_15	6.6.3.3.8	26	1.4, 3, 5, 10, 15	Table 6.2.4.3-10	Table 6.2.4.3-10
NS_16	6.6.3.3.9	27	3, 5, 10	Table 6.2.4.3-11, Table 6.	Table 6.2.4.3-12, 2.4.3-13
NC 47	6.6.3.3.10	28	5, 10	Table 5.4.2-1	N/A
NS_17	6.6.3.3.11	28	5	≥2	≤ 1
NS_18			10, 15, 20	≥1	≤ 4
NS_19			10, 15, 20	Table 6.2.4.3-15	Table 6.2.4.3-15
NS_20	©		5, 10, 15, 20	Table 6.2.4.3-14	
	0		9 20	8	



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WIFI

Mode	Data Rate (Mbps)	Channel	Frequency(MHz)	Avg. Burst Power(dBm)	
		01	2412	14.90	
802.11b	1	06	2437	15.03	
	3	11	2462	14.41	
0	8	01	2412	13.66	
802.11g	6	06	2437	14.45	
	10	11	2462	13.44	
G		01	2412	13.32	
802.11n(20)	6.5	06	2437	13.42	
	69 6	11	2462	13.27	
9		03	2422	12.22	
802.11n(40)	13.5	06	2437	12.15	
		09	2452	12.56	

Bluetooth V4.2 (BR/EDR)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
	0	2402	2.595
GFSK	39	2441	2.345
	78	2480	2.015
-6	0	2402	1.759
π /4-DQPSK	39	2441	1.024
	78	2480	1.561
8	0	2402	1.871
8-DPSK	39	2441	1.195
	78	2480	0.765

Bluetooth_ V4.2 (BLE)

Modulation	Channel	Frequency(MHz)	Peak Power (dBm)
	0	2402	1.245
GFSK	19	2440	0.612
	39	2480	0.313



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5GHz WIFI

						Power	(dBm)			
Mode	channel	Frequency				Data Ra	ate(bps)			
			6M	9M	12M	18M	24M	36M	48M	54M
(8)	36	5180	14.16	14.01	13.94	13.85	13.70	13.61	13.49	13.40
	40	5200	14.66	14.43	14.40	14.34	14.23	14.14	13.97	13.93
	44	5220	14.32	14.22	14.04	13.97	13.90	13.75	13.64	13.42
	48	5240	15.35	15.23	15.08	15.01	14.91	14.82	14.72	14.43
	52	5260	14.07	13.98	13.84	13.71	13.63	13.46	13.40	13.35
802.11a	56	5280	13.96	13.86	13.74	13.60	13.47	13.44	13.28	13.22
	60	5300	13.07	12.91	12.83	12.74	12.60	12.48	12.42	12.31
	64	5320	14.30	14.17	14.09	13.98	13.83	13.73	13.61	13.43
	149	5745	14.62	14.47	14.37	14.27	14.16	14.04	13.92	13.90
	157	5785	14.60	14.48	14.33	14.21	14.20	14.08	13.95	13.87
	165	5825	14.99	14.85	14.76	14.63	14.46	14.42	14.35	14.24
		\ G	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
_ GC	36	5180	14.06	13.91	13.84	13.75	13.60	13.42	13.39	13.30
	40	5200	14.72	14.60	14.46	14.40	14.29	14.20	14.03	13.99
	44	5220	14.65	14.61	14.37	14.32	14.23	14.08	13.97	13.90
	48	5240	14.89	14.77	14.62	14.49	14.45	14.36	14.26	14.12
802.11n	52	5260	13.95	13.86	13.72	13.62	13.47	13.40	13.28	13.23
(20)	56	5280	12.77	12.67	12.65	12.40	12.31	12.25	12.09	12.03
	60	5300	12.82	12.66	12.63	12.49	12.35	12.23	12.17	12.06
	64	5320	13.02	12.89	12.81	12.70	12.63	12.45	12.33	12.27
	149	5745	14.18	14.03	13.93	13.83	13.72	13.60	13.49	13.46
	157	5785	14.09	13.97	13.82	13.70	13.69	13.61	13.44	13.36
	165	5825	14.84	14.70	14.61	14.48	14.35	14.27	14.20	14.09
0			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
a.C	38	5190	14.27	14.15	14.00	13.93	13.83	13.72	13.64	13.43
	46	5230	14.24	14.13	14.01	13.88	13.80	13.69	13.62	13.60
802.11n	54	5270	13.71	13.61	13.49	13.34	13.25	13.19	13.03	12.97
(40)	62	5310	12.75	12.69	12.61	12.42	12.28	12.16	12.10	11.99
	151	5755	14.01	13.88	13.80	13.69	13.46	13.44	13.32	13.26
	159	5795	14.02	13.87	13.77	13.67	13.62	13.44	13.34	13.30



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						Dowe	r/alDms\			
Mode	channel	Frequency					r(dBm)			
							ate(bps)		1	l
			MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
(2)	36	5180	13.11	12.96	12.89	12.80	12.65	12.60	12.44	12.35
	40	5200	13.72	13.62	13.46	13.40	13.29	13.20	13.03	12.99
	44	5220	13.69	13.63	13.41	13.34	13.27	13.12	13.01	12.94
	48	5240	14.43	14.31	14.16	14.09	13.99	13.90	13.80	13.66
	52	5260	12.85	12.76	12.62	12.49	12.41	12.30	12.18	12.13
802.11ac	56	5280	12.76	12.66	12.61	12.39	12.30	12.24	12.08	12.02
(20)	60	5300	11.68	11.60	11.44	11.35	11.21	11.09	11.03	10.92
	64	5320	11.25	11.12	11.04	10.93	10.78	10.68	10.61	10.43
	149	5745	13.16	13.01	12.91	12.81	12.70	12.65	12.48	12.44
	157	5785	13.07	12.95	12.80	12.68	12.67	12.62	12.42	12.34
	165	5825	13.80	13.66	13.61	13.44	13.31	13.23	13.16	13.05
		30	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
	38	5190	13.68	13.62	13.42	13.36	13.25	13.16	12.99	12.95
	46	5230	14.60	14.43	14.32	14.25	14.18	14.03	13.92	13.85
802.11ac	54	5270	12.96	12.84	12.69	12.62	12.47	12.43	12.33	12.19
(40)	62	5310	11.96	11.87	11.73	11.60	11.46	11.41	11.29	11.24
	151	5755	13.01	12.91	12.79	12.64	12.60	12.49	12.33	12.27
	159	5795	13.01	12.85	12.77	12.68	12.61	12.42	12.36	12.25



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13. TEST RESULTS

13.1. SAR Test Results Summary

13.1.1. Test position and configuration

Body-worn and 4 Edges SAR was performed with the device 0mm from the phantom.

13.1.2. Operation Mode

- 1. Per KDB 447498 D01 v06 ,for each exposure position, if the highest 1-g SAR is ≤ 0.8 W/kg, testing for low and high channel is optional.
- 2. Per KDB 865664 D01 v01r04,for each frequency band, if the measured SAR is ≥0.8W/kg, testing for repeated SAR measurement is required, that the highest measured SAR is only to be tested. When the SAR results are near the limit, the following procedures are required for each device to verify these types of SAR measurement related variation concerns by repeating the highest measured SAR configuration in each frequency band.
 - (1) When the original highest measured SAR is ≥ 0.8 W/kg, repeat that measurement once.
 - (2) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is >1.20 or when the original or repeated measurement is ≥1.45 W/kg.
 - (3) Perform a third repeated measurement only if the original, first and second repeated measurement is ≥1.5 W/kg and ratio of largest to smallest SAR for the original, first and second measurement is ≥ 1.20.
- 3. Body-worn exposure conditions are intended to voice call operations, therefore GSM voice call mode is selected to be test.
- 4. Per KDB 648474 D04 v01r03,when the reported SAR for a body-worn accessory measured without a headset connected to the handset is ≤1.2W/kg, SAR testing with a headset connected is not required.
- 5. Per KDB 248227 D01v02r02,for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤1.2W/kg.
- 6. Per KDB 248227 D01 v02r02 Chapter 5.3.4, SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.
 - (1) When SAR test exclusion provisions of KDB Publication 447498 D01 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
 - (2) When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.



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- 7. Per KDB 941225 D06 V02r01, When the same wireless mode transmission configurations for voice and data are required for SAR measurements, the more conservative configuration with a smaller separation distance should be tested for the overlapping SAR configurations.
- 8. Maximum Scaling SAR in order to calculate the Maximum SAR values to test under the standard Peak Power, Calculation method is as follows:

 Maximum Scaling SAR =tested SAR (Max.) ×[maximum turn-up power (mw)/ maximum measurement output power(mw)]
- 9. Proximity sensor, just for avoiding the wrong operation in the phone screen when call, and has no influence on output power or SAR result
- 10. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1RB allocation using the RB offset and required test channel combination with highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
- 11. Per KDB 941125 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
- 12. Per KDB 941125 D05v02r05. For QPSK with 100% RB allocation. SAR is not required when the highest maximum output power for 100% RB allocation is less than the highest maximum output power in 50% and 1RB allocation and the highest reported SAR is >1.45 W/kg, the remaining required test channels must also be tested.
- 13. Per KDB 941125 D05v02r05. 16QAM output power for each RB allocation configuration is not 1/2 dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤1.45W/kg, Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
- 14. Per KDB 941125 D05v02r05. Smaller bandwidth output power for each RB allocation configuration is >not 1/2 dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤1.45W/kg. Per KDB 941125 D05v02r03, smaller bandwidth SAR testing is not required.



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13.1.3. Test Result

SAR MEASUR	EMENT								
Depth of Liquid	(cm):>15			Relative I	Humidity (%): 54.8			
Product: POS to	erminal								
Test Mode: GS	M850 with GMSK	modulat	ion						
Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
SIM 1 Card					G	®			0
Body back 1	voice	190	836.6	-0.13	0.089	31.00	29.50	0.126	1.6
Body front	voice	190	836.6	0.18	0.316	31.00	29.50	0.446	0 1.6
	10		C	(8)					G
Body back 1	GPRS-2 slot	190	836.6	-0.10	0.114	29.50	29.09	0.125	1.6
Body front	GPRS-2 slot	190	836.6	0.18	0.346	29.50	29.09	0.380	1.6
Edge 1 (Top)	GPRS-2 slot	190	836.6	0.07	0.066	29.50	29.09	0.073	1.6
Edge 2(Right)	GPRS-2 slot	190	836.6	-0.17	0.333	29.50	29.09	0.366	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- •The test separation for body back, body front and 4 Edges is 0mm of all above table.



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SAR MEASUREMENT	
Depth of Liquid (cm):>15	Relative Humidity (%): 56.1
Product: POS terminal	

Test Mode: PCS1900 with GMSK modulation

Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
SIM 1 Card									
Body back 1	voice	661	1880.0	-0.07	0.587	30.00	29.79	0.616	1.6
Body front	voice	661	1880.0	0.09	0.425	30.00	29.79	0.446	1.6
			@				30		®
Body back 1	GPRS-3 slot	661	1880.0	-0.05	0.715	26.00	25.59	0.786	1.6
Body back 2	GPRS-3 slot	661	1880.0	-0.18	0.563	26.00	25.59	0.619	1.6
Body front	GPRS-3 slot	661	1880.0	0.06	0.506	26.00	25.59	0.556	1.6
Edge 1 (Top)	GPRS-3 slot	661	1880.0	-0.14	0.419	26.00	25.59	0.460	1.6
Edge 2(Right)	GPRS-3 slot	661	1880.0	0.02	0.522	26.00	25.59	0.574	1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
- •The test separation for body back, body front and 4 Edges is 0mm of all above table.
- Since the device has a curved back surface, there are two types of back. Back 1 is the device parallel to the phantom, back 2 is the bottom of the device close to the phantom. The back 2 add only the worst band based on the back1.



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SAR MEASUREMENT

Depth of Liquid (cm):>15 Relative Humidity (%): 56.1

Product: POS terminal

Test Mode: WCDMA Band II with QPSK modulation

Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	RMC 12.2kbps	9400	1880	0.03	0.541	22.60	21.56	0.687	1.6
Body front	RMC 12.2kbps	9400	1880	0.15	0.417	22.60	21.56	0.530	1.6
Edge 1 (Top)	RMC 12.2kbps	9400	1880	0.02	0.327	22.60	21.56	0.415	1.6
Edge 2(Right)	RMC 12.2kbps	9262	1852.4	0.13	0.747	22.60	22.60	0.747	1.6
Edge 2(Right)	RMC 12.2kbps	9400	1880	0.13	0.846	22.60	21.56	1.075	1.6
Edge 2(Right)	RMC 12.2kbps	9538	1907.6	0.14	0.994	22.60	21.86	1.179	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.



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SAR		A CI	IDE	NA = N	т
JAK	IVI	AΟι	ノベニ		N I

Depth of Liquid (cm):>15 Relative Humidity (%): 53.7

Product: POS terminal

Test Mode: WCDMA Band IV with QPSK modulation

Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	RMC 12.2kbps	8662	1732.4	-0.18	0.718	20.00	19.74	0.762	1.6
Body front	RMC 12.2kbps	8662	1732.4	0.11	0.692	20.00	19.74	0.735	1.6
Edge 1 (Top)	RMC 12.2kbps	8662	1732.4	0.04	0.149	20.00	19.74	0.158	1.6
Edge 2(Right)	RMC 12.2kbps	8662	1732.4	-0.13	0.725	20.00	19.74	0.770	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

The test separation for body back, body front and 4 Edges is 0mm of all above table.



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SAR MEASUREMENT

Depth of Liquid (cm):>15 Relative Humidity (%): 54.8

Product: POS terminal

Test Mode: WCDMA Band V with QPSK modulation

Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	RMC 12.2kbps	4183	836.6	0.11	0.111	20.80	19.87	0.138	1.6
Body front	RMC 12.2kbps	4183	836.6	-0.19	0.415	20.80	19.87	0.514	1.6
Edge 1 (Top)	RMC 12.2kbps	4183	836.6	0.05	0.061	20.80	19.87	0.076	1.6
Edge 2(Right)	RMC 12.2kbps	4183	836.6	-0.17	0.273	20.80	19.87	0.338	© 1.6

Note:

- When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

The test separation for body back, body front and 4 Edges is 0mm of all above table.



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1.6

	SAR MEASUREMENT	R MEASUREMENT						
	Depth of Liquid (cm):>15	Relative Humidity (%): 53.3						
	Product: POS terminal							
9								

Test Mode: LTE Band 2 Max. **Test Mode** Power Meas. SAR Tune Scaled BM Freq. Drift output Limit MOD **Position** Ch. (1g) SAR up MHz **UL RB** (MHz) (<±0.2 Power (W/kg) **UL RB** (W/kg) Power (W/kg) (dBm) dB) Allocation **Allocation** (dBm) Body back 1 1 0 18900 1880 -0.13 0.709 23.01 22.06 0.882 1.6 18900 1880 0.16 0.551 22.06 0.686 Body front 1 0 23.01 1.6 1 Edge 1 (Top) 0 18900 1880 0.06 0.303 23.01 22.06 0.377 1.6 **QPSK** 20 Edge 2(Right) 1 0 18700 1860 -0.14 0.925 23.01 22.37 1.072 1.6 1.072 Edge 2(Right) 1 0 18900 1880 -0.11 0.861 23.01 22.06 1.6 1 0 1.164

19100

1900

0.05

0.861

23.01

Note:

Edge 2(Right)

When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.



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SAR		

Depth of Liquid (cm):>15 Relative Humidity (%): 53.7

Product: POS terminal

Test Mode: LTE Band 4

вм	MOD	Position	Test Mode			Freq.	Power Drift	SAR	Max. Tuneu	Meas.	Scaled	Limit
MHz			UL RB Allocation	UL RB START	Ch.	(MHz)	(<±0.2 dB)	(1g) (W/kg)	p Power (dBm)	Power (dBm)	SAR (W/kg)	(W/kg)
	QPSK	Body back 1	1	0	20175	1732.5	0.10	0.606	23.50	23.03	0.675	1.6
		Body front	1	0	20175	1732.5	0.01	0.661	23.50	23.03	0.737	1.6
20		Edge 1 (Top)	® 1	0	20175	1732.5	-0.02	0.101	23.50	23.03	0.113	1.6
20		Edge 2(Right)	1	<u> </u>	20050	1720	0.14	0.826	25.00	24.32	0.966	1.6
(8)		Edge 2(Right)	1	0	20175	1732.5	0.03	0.836	23.50	23.03	0.932	1.6
		Edge 2(Right)	1	0	20300	1745	0.16	0.848	23.50	23.23	0.902	1.6

Note:

When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.
 The test separation for body back, body front and 4 Edges is 0mm of all above table.



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SAR MEASUREMENT	
Depth of Liquid (cm):>15	Relative Humidity (%): 55.2
Product: POS terminal	

Test Mode: LTE Band 5

вм		Position	Test Mode			Freg.	Power Drift	SAR (1g)	Max. Tuneup	Meas. output	Scaled	Limit
MHz	MOD		UL RB Allocati on	UL RB START	Ch.	(MHz)	(<±0.2 dB)	(W/kg)	Power (dBm)	Power (dBm)	SAR (W/kg)	(W/kg)
	0	Body back 1	1	0	20525	836.5	0.15	0.098	23.50	22.77	0.116	1.6
		Body front	1	0	20525	836.5	0.10	0.366	23.50	22.77	0.433	1.6
10	QPSK	Edge 1 (Top)	1	0 @	20525	836.5	0.01	0.054	23.50	22.77	0.064	1.6
(8)		Edge 2(Right)	1	0	20525	836.5	-0.11	0.264	23.50	22.77	0.312	1.6

Note:

When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

-The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT							
Depth of Liquid (cm):>15	Relative Humidity (%): 53.8						
Product: POS terminal							
Test Mode: LTE Pand 7							

ВМ	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR (1g)	Max. Tuneup	Meas. output	Scaled SAR	Limit
MHz			UL RB Allocation	UL RB START	OII.	(MHz)	(<±0.2 dB)	(W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
		Body back 1		0	21100	2535	0.03	0.496	24.10	23.55	0.563	1.6
	5)	Body front	1	0	21100	2535	-0.18	0.227	24.10	23.55	0.258	1.6
20	QPSK	Edge 1 (Top)	9	0	21100	2535	-0.10	0.124	24.10	23.55	0.141	1.6
		Edge 2(Right)	3 1	0	21100	2535	-0.18	0.537	24.10	23.55	0.610	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15	Relative Humidity (%): 54.1							
Product: POS terminal								
Test Mode: LTE Band 12								

ВМ	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR (1g)	Max. Tuneup	Meas. output	Scaled SAR	Limit
MHz			UL RB Allocation	UL RB START	OII.	(MHz)	(<±0.2 dB)	(W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
		Body back 1		0	23095	707.5	0.11	0.058	23.50	23.25	0.061	1.6
	9	Body front	1	0	23095	707.5	0.15	0.490	23.50	23.25	0.519	1.6
10	QPSK	Edge 1 (Top)	9	0	23095	707.5	-0.14	0.046	23.50	23.25	0.049	1.6
		Edge 2(Right)	3 1	0	23095	707.5	-0.17	0.238	23.50	23.25	0.252	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SARI	MEASUF	REMENT										
Depth	of Liquid	d (cm):>15			Relative	Humidity (%): 54.1					
Produ	Product: POS terminal											
Test Mode: LTE Band 17												
I BM I I I I I I I I I I I I I I I I I I						Scaled SAR	Limit					
MHz	lz MOD	rosition	UL RB Allocation	UL RB START	O.I.I.	(MHz)	(<±0.2 dB)	(1g) (W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
	9	Body back 1	1	0	23790	710	0.19	0.445	24.00	22.97	0.564	1.6
		Body front	1	0	23790	710	0.15	0.055	24.00	22.97	0.070	1.6
10	QPSK	Edge 1 (Top)		0	23790	710	-0.11	0.034	24.00	22.97	0.043	1.6
(8)		Edge	1	0	23790	710	-0.15	0.223	24.00	22.97	0.283	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15	Relative Humidity (%):56.1							
Product: POS terminal								
Test Mode: LTE Band 25								

ВМ	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR (1a)	Max. Tuneup	Meas. output	Scaled SAR	Limit
MHz			UL RB Allocation	UL RB START	311.	(MHz)	(<±0.2 dB)	(1g) (W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
	*	Body back 1	1	0	26365	1882.5	-0.14	0.673	22.50	22.06	0.745	1.6
	6	Body front	1	0	26365	1882.5	0.17	0.611	22.50	22.06	0.676	1.6
10	QPSK	Edge 1 (Top)	9	0	26365	1882.5	-0.18	0.360	22.50	22.06	0.398	1.6
8		Edge 2(Right)	1	0	26365	1882.5	-0.03	0.692	22.50	22.06	0.766	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15	Relative Humidity (%): 55.2							
Product: POS terminal								
Test Mode: LTF Band 26B								

ВМ	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR (1g)	Max. Tuneup	Meas. output	Scaled SAR	Limit
MHz			UL RB Allocation	UL RB START	OII.	(MHz)	(<±0.2 dB)	(W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
		Body back 1		0	26915	831.5	-0.18	0.113	24.00	23.81	0.118	1.6
	9	Body front	1	0	26915	831.5	0.18	0.372	24.00	23.81	0.389	1.6
10	QPSK	Edge 1 (Top)	9	0	26915	831.5	-0.14	0.065	24.00	23.81	0.068	1.6
		Edge 2(Right)	3 1	0	26915	831.5	0.08	0.296	24.00	23.81	0.309	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT								
Depth of Liquid (cm):>15	Relative Humidity (%): 53.8							
Product: POS terminal								
Test Mode: LTF Band 38								

вм	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR	Max. Tuneup	Meas. output	Scaled SAR	Limit
MHz	WIOD		UL RB Allocation	UL RB START	OII.	(MHz)	(<±0.2 dB)	(1g) (W/kg)	Power (dBm)	Power (dBm)	(W/kg)	(W/kg)
10	QPSK	Body back 1		0	38000	2595	0.03	0.364	23.70	22.79	0.449	1.6
		Body front	1	0	38000	2595	0.12	0.092	23.70	22.79	0.113	1.6
		Edge 1 (Top)	9	0	38000	2595	-0.05	0.057	23.70	22.79	0.070	1.6
		Edge 2(Right)	3 1	0	38000	2595	0.14	0.220	23.70	22.79	0.271	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

•The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR MEASUREMENT	
Depth of Liquid (cm):>15	Relative Humidity (%): 53.8
Product: POS terminal	

Test Mode: LTE Band 41

1000	viouo. Li	L Dana II										
BW	MOD	Position	Test Mode		Ch.	Freq.	Power Drift	SAR (1g)	Max. Tuneup	Meas. output Power	Scaled SAR	Limit
MHz			UL RB Allocation	UL RB START	CII.	(MHz)	(<±0.2 dB)	(W/kg)	Power (dBm)	(dBm)	(W/kg)	(W/kg)
	QPSK	Body back 1	1	0	40620	2593	-0.10	0.322	24.40	22.95	0.450	1.6
20		Body front	1	0	40620	2593	0.10	0.086	24.40	22.95	0.120	1.6
20		Edge 1 (Top)	1	0	40620	2593	-0.17	0.018	24.40	22.95	0.025	1.6
		Edge 2(Right)	1	0	40620	2593	0.12	0.204	24.40	22.95	0.285	1.6

Note:

• When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB 447498.

-The test separation for body back, body front and 4 Edges is 0mm of all above table

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	SAR MEASUREMENT	
	Depth of Liquid (cm):>15	Relative Humidity (%): 54.2
2)	Product: POS terminal	

Test Mode:802.11b

Position	Mode	Ch.	Fr. (MHz)	Power Drift (<±0.2 dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	DTS	6	2437	0.11	0.501	15.10	15.03	0.509	1.6
Body front	DTS	6	2437	0.14	0.261	15.10	15.03	0.265	1.6
Edge 1 (Top)	DTS	6	2437	0.17	0.176	15.10	15.03	0.179	_© 1.6
Edge 4(Left)	DTS	6	2437	-0.11	0.702	15.10	15.03	0.713	1.6

Note:

- According to KDB248227, SAR is not required for 802.11n HT20/HT40 channels when the maximum average output power is less than 1/4 dB higher than that measured on the corresponding 802.11a/b channels.
- All of above "DTS" means data transmitters.
- •The test separation for body back, body front and 4 Edges is 0mm of all above table.

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SAR	ME.	ASI	JR	EM	ENT
\sim		$\neg \circ$	<i>-</i>		

Depth of Liquid (cm):>15 Relative Humidity (%): 58.5

Product: POS terminal

Test Mode: 5.2GHz WIFI-802.11a

Position	Ch.	Fr. (MHz)	I I I I I I I I I I I I I I I I I I I		Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	40	5200	0.14	0.341	15.35	14.66	0.400	1.6
Body front	40	5200	0.08	0.151	15.35	14.66	0.177	1.6
Edge 1 (Top)	40	5200	0.04	0.522	15.35	14.66	0.612	1.6
Edge 4(Left)	40	5200	-0.12	0.653	15.35	14.66	0.765	® 1.6

Note:

1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.

2. The test separation of all above table is 0mm.

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SAR MEASUREME	NT											
Depth of Liquid (cm	Depth of Liquid (cm):>15 Relative Humidity (%): 56.4											
Product: POS termi	Product: POS terminal											
Test Mode:5.3GHz	Test Mode:5.3GHz WIFI-802.11a											
Position	Ch.	Fr. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune-up Power	Meas. output Power	Scaled SAR (W/kg)	Limit (W/kg)				

Position	Ch.	Fr. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	60	5300	0.14	0.144	14.30	13.07	0.191	1.6
Body front	60	5300	0.12	0.058	14.30	13.07	0.077	1.6
Edge 1 (Top)	60	5300	-0.15	0.212	14.30	13.07	0.281	1.6
Edge 4(Left)	60	5300	-0.14	0.585	14.30	13.07	0.777	1.6

Note:

1. When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.

2. The test separation of all above table is 0mm.

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SAR MEASUREMENT

Depth of Liquid (cm):>15 Relative Humidity (%): 57.2

Product: POS terminal

Test Mode: 5.8GHz WIFI-802.11a

Position	Ch.	Fr. (MHz)	Power Drift (<±0.2dB)	SAR (1g) (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit (W/kg)
Body back 1	157	5785	0.17	0.171	15.00	14.60	0.187	1.6
Body front	157	5785	0.15	0.097	15.00	14.60	0.106	1.6
Edge 1 (Top)	157	5785	0.12	0.336	15.00	14.60	0.368	1.6
Edge 4(Left)	157	5785	0.08	0.629	15.00	14.60	0.690	1.6

^{1.} When the 1-g Reported SAR is ≤ 0.8 W/kg, testing for low and high channel is optional. Refer to KDB447498.

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^{2.} The test separation of all above table is 0mm.



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Product: POS terminal

Test Mode: WCDMA Band II & LTE Band 2& LTE Band 4

Test Mode.	WCDIVIA Ballu	III & LIL L	and Z& L	TE Danu 4							
Position	Mod	le	Ch.	Fr. (MHz)	Power Drift (<±5%)	Once SAR (1g) (W/kg)	Power Drift (<±5%)	Twice SAR (1g) (W/kg)	Power Drift (<±5%)	Third SAR (1g) (W/kg)	Limit W/kg
Edge 2(Right)	RMC 12.2kbps		9538	1907.6	0.10	0.993	<i>y</i> ,	6	-	-	1.6
Position	Mode		Ch.	Fr.	I britt	Once SAR	Power Drift	Twice SAR	Power Drift	Third SAR	Limit
Position	UL RB Allocation	UL RB START	Cii.	(MHz)	(<±5%)	(1g) (W/kg)	(<±5%)	(1g) (W/kg)	(<±5%)	(1g) (W/kg)	W/kg
Edge 2(Right)	1	0	18700	1860	-0.06	0.879		-	G-C	-	1.6
Edge 2(Right)	_® 1	0	20300	1745	0.17	0.846		-	-		1.6

Product:	POS terminal								
Band	Position	Мос	de	Ch.	Fr. (MHz)	Orignal SAR (1g) (W/kg)	First SAR (1g) (W/kg)	Ratio	Limit
WCDMA Band II	Edge 2(Right)	RMC 12.2k	bps	9538	1907.6	0.994	0.993	1.001	<1.2
		Mode			Fr.	Orignal SAR	First SAR		
Band	Position	UL RB Allocation	UL RB START	Ch.	(MHz)	(1g) (W/kg)	(1g) (W/kg)	Ratio	Limit
LTE Ba	ind Edge 2(Right)	1	0	18700	1860	0.925	0.879	1.052	<1.2
LTE Ba	nd Edge 2(Right)	1	0	20300	1745	0.848	0.846	1.002	<1.2

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Simultaneous Multi-band Transmission Evaluation:

Application Simultaneous Transmission information:

NO	Simultaneous state	Portable Handset		
	Simulaneous state	Body-worn	Hotspot	
1	GSM(voice)+ WLAN 2.4GHz&5GHz (data)	Yes		
2	GSM(voice)+ Bluetooth(data)	Yes	- 0	
3	GSM (Data) + WLAN 2.4GHz&5GHz (data)	Yes	Yes	
4	GSM (Data) + Bluetooth(data)	Yes	Yes	
5 🏽	WCDMA+ WLAN 2.4GHz&5GHz (data)	Yes	Yes	
6	WCDMA+ Bluetooth(data)	Yes	Yes	
7	LTE + WLAN 2.4GHz&5GHz (data)	Yes	Yes	
8	LTE + Bluetooth(data)	Yes	Yes	

NOTE:

- 1. WIFI and BT share the same antenna, and cannot transmit simultaneously.
- 2. 2.4GHz WIFI and 5GHz WIFI share the same antenna, and cannot transmit simultaneously.
- 3. Simultaneous with every transmitter must be the same test position.
- 4. KDB 447498 D01, BT SAR is excluded as below table.
- KDB 447498 D01, for handsets the test separation distance is determined by the smallest distance between the outer surface of the device and the user; which is 0mm for head SAR and 0mm for body-worn SAR.
- 6. According to KDB 447498 D01 4.3.1, Standalone SAR test exclusion is as follow:
 - For 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
 - [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] [$\sqrt{f(GHz)}$] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR³⁰, where
 - f(GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation³¹
 - The result is rounded to one decimal place for comparison
 - The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

- 7. If the test separation distance is <5mm, 5mm is used for excluded SAR calculation.
- 8. According to KDB 447498 D01 4.3.2, simultaneous transmission SAR test exclusion is as follow:
 - (1) Simultaneous transmission SAR test exclusion is determined for each operating configuration and exposure condition according to the reported standalone SAR of each applicable simultaneous transmitting antenna.
 - (2) Any transmitters and antennas should be considered when calculating simultaneous mode.
 - (3) For mobile phone and PC, it's the sum of all transmitters and antennas at the same mode with same position in each applicable exposure condition
 - (4)When the standalone SAR test exclusion of section 4.3.2 is applied to an antenna that transmits simultaneously with other antennas, the standalone SAR must be estimated according to the following to det

(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[√f(GHz)/x] W/kg for test separation distances ≤ 50 mm;

where x = 7.5 for 1-g SAR, and x = 18.75 for 10-g SAR.

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9. When the sum of SAR is larger than the limit, SAR test exclusion is determined by the SAR to peak location separation ratio. The simultaneous transmitting antennas in each operating mode and exposure condition combination must be considered one pair at a time to determine the SAR to peak location separation ratio to qualify for test exclusion. The ratio is determined by (SAR1 + SAR2)1.5/Ri, rounded to two decimal digits, and must be ≤ 0.04 for all antenna pairs in the configuration to qualify for 1-g SAR test exclusion.

Estimat	ed SAR	Max Power inc Toler	luding Tune-up ance	Separation Distance (mm)	Estimated SAR (W/kg)	
		dBm	mW	Distance (IIIII)	(VV/Kg)	
ВТ	Body	3	1.995	0	0.082	

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Sum of the SAR for GSM 850 &Wi-Fi & BT:

RF Exposure	Test	Simultane	ous Transmission	Σ1-g SAR	SPLSR	
Conditions	Position	GSM 850 2.4GHz WI-Fi DTS Band Bluetooth		(W/kg)	(Yes/No)	
Body-worn (voice)	Rear	0.126	0.509		0.635	No
		0.126		0.082	0.208	No
	Front	0.446	0.265		0.711	No
		0.446		0.082	0.528	No
®	Rear	0.125		0.082	0.207	No
Body-worn		0.125	0.509		0.634	No
(Data)	Front	0.380		0.082	0.462	No
		0.380	0.265		0.645	No
Body-worn (Hotspot)	Edge 1	0.073	0.179		0.252	No
	Edge 1	0.073		0.082	0.155	No
RF Exposure	Test Position	Simultane	ous Transmissi	Σ1-g SAR	SPLSR	
Conditions		GSM 850	5.2GHz Wi-Fi DTS Band	5.3GHz Wi-Fi DTS Band	(W/kg)	(Yes/No)
-C	Rear	0.126	0.400		0.526	No
Body-worn		0.126		0.191	0.317	No
(voice)	Front	0.446	0.177		0.623	No
		0.446		0.077	0.523	No
30 - 6	Rear	0.125		0.191	0.316	No
Body-worn		0.125	0.400		0.525	No
(Data)	Front	0.380		0.077	0.457	No
®		0.380	0.177		0.557	No
Body-worn	Edge 1	0.073	0.612		0.685	No
(Hotspot)	Edge 1	0.073		0.281	0.354	No
RF Exposure	Test	Simultaneous Transmission Scenario			Σ1-g SAR	SPLSR
Conditions	Position	GSM 850	5.8GHz Wi-Fi DTS Band		(W/kg)	(Yes/No)
Body-worn (voice)	Rear	0.126	0.187		0.313	No
	Front	0.446	0.106		0.552	No
Body-worn	Rear	0.125	0.187		0.312	No
(Data)	Front	0.380	0.106		0.486	No
Body-worn (Hotspot)	Edge 1	0.073	0.368		0.441	No

Note:

- ·According to KDB 447498 D01 General RF Exposure Guidance, when the simultaneous transmission SAR is less than 1.6 W/kg, SPLSR assessment is not required.
- ·SPLSR mean is "The SAR to Peak Location Separation Ratio "

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