

APP A Conducted Power

1. GSM Conducted Power

GSM 850MHz		Burst-Averaged Power (dBm)			Tune-up Limit (dBm)	Division Factors	Frame-Averaged Power (dBm)		
		128CH	190CH	251CH			128CH	190CH	251CH
GPRS 850	1 Tx Slots	31.71	31.88	31.97	32.0	-9.03	22.68	22.85	22.94
	2 Tx Slots	30.96	31.14	31.27	31.5	-6.02	24.94	25.12	25.25
	3 Tx Slots	29.25	29.45	29.62	30.5	-4.26	24.99	25.19	25.36
	4 Tx Slots	28.09	28.3	28.45	28.5	-3.01	25.08	25.29	25.44
EGPRS 850	1 Tx Slots	24.49	24.35	24.68	25.0	-9.03	15.46	15.32	15.65
	2 Tx Slots	23.12	23.05	23.35	24.0	-6.02	17.10	17.03	17.33
	3 Tx Slots	20.77	20.73	21.02	21.5	-4.26	16.51	16.47	16.76
	4 Tx Slots	19.46	19.4	19.7	20.0	-3.01	16.45	16.39	16.69

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

GSM 1900MHz		Burst-Averaged Power (dBm)			Tune-up Limit (dBm)	Division Factors	Frame-Averaged Power (dBm)		
		512CH	661CH	810CH			512CH	661CH	810CH
GPRS 1900	1 Tx Slots	28.17	28.32	28.35	29.0	-9.03	19.14	19.29	19.32
	2 Tx Slots	27.53	27.69	27.72	28.0	-6.02	21.51	21.67	21.70
	3 Tx Slots	25.91	26.09	26.09	27.0	-4.26	21.65	21.83	21.83
	4 Tx Slots	24.77	24.94	24.94	25.0	-3.01	21.76	21.93	21.93
EGPRS 1900	1 Tx Slots	24.26	24.14	23.69	24.5	-9.03	15.23	15.11	14.66
	2 Tx Slots	23.28	23.23	22.79	23.5	-6.02	17.26	17.21	16.77
	3 Tx Slots	21.31	21.29	20.9	21.5	-4.26	17.05	17.03	16.64
	4 Tx Slots	20.28	20.22	19.79	20.5	-3.01	17.27	17.21	16.78

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

2. WCDMA Conducted Power

Band 2		Average Power (dBm)			Tune up
		9262CH	9400CH	9538CH	
WCDMA	12.2kbps RMC	21.27	21.41	21.04	22
	64kbps RMC	21.13	21.25	20.94	22
	144kbps RMC	21.13	21.23	20.90	22
	384kbps RMC	21.12	21.30	20.91	22
HSDPA	Subtest 1	20.32	20.40	20.06	21
	Subtest 2	20.07	20.43	20.04	21
	Subtest 3	20.04	20.42	20.03	21
	Subtest 4	20.03	20.43	20.04	21
HSUPA	Subtest 1	18.09	18.45	18.02	19
	Subtest 2	18.02	18.43	18.03	19
	Subtest 3	18.02	18.43	18.01	19
	Subtest 4	18.02	18.42	17.98	19
	Subtest 5	19.84	20.39	20.02	21

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

Band 4		Average Power (dBm)			Tune up
		1312CH	1413CH	1513CH	
WCDMA	12.2kbps RMC	21.32	21.45	21.55	22
	64kbps RMC	21.14	21.33	21.36	22
	144kbps RMC	21.15	21.27	21.38	22
	384kbps RMC	21.19	21.29	21.35	22
HSDPA	Subtest 1	20.29	20.43	20.54	21
	Subtest 2	20.55	20.41	20.55	21
	Subtest 3	20.54	20.41	20.51	21
	Subtest 4	20.52	20.38	20.53	21
HSUPA	Subtest 1	18.45	18.58	18.68	19
	Subtest 2	18.68	18.60	18.69	19
	Subtest 3	18.69	18.57	18.71	19
	Subtest 4	18.69	18.58	18.69	19
	Subtest 5	20.40	20.53	20.68	21

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

Band 5		Average Power (dBm)			Tune up
		4132CH	4183CH	4233CH	
WCDMA	12.2kbps RMC	21.94	22.11	22.21	22.5
	64kbps RMC	21.82	21.92	22.11	22.5
	144kbps RMC	21.84	21.99	22.11	22.5
	384kbps RMC	21.82	21.92	22.08	22.5
HSDPA	Subtest 1	20.94	21.17	21.25	21.5
	Subtest 2	21.23	21.15	21.24	21.5
	Subtest 3	21.27	21.14	21.24	21.5
	Subtest 4	21.25	21.16	21.25	21.5
HSUPA	Subtest 1	19.53	19.20	19.32	20
	Subtest 2	19.35	19.19	19.31	20
	Subtest 3	19.29	19.20	19.31	20
	Subtest 4	19.32	19.19	19.32	20
	Subtest 5	20.98	21.19	21.27	21.5

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

3. LTE Conducted Power

LTE B2

LTE FDD B2				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18607	18900	19193	
1.4MHz	QPSK	1	0	21.20	21.24	21.31	22
		1	2	21.38	21.58	21.16	22
		1	5	21.19	20.93	20.79	22
		3	0	20.39	20.33	19.96	21
		3	1	20.63	20.30	19.99	21
		3	3	20.37	20.16	19.89	21
		6	0	20.38	20.22	20.02	21
	16QAM	1	0	20.44	20.41	20.27	21.5
		1	2	20.94	20.37	20.27	21.5
		1	5	20.38	19.91	20.05	21.5
		3	0	19.62	19.68	19.28	20
		3	1	19.66	19.45	18.99	20
		3	3	19.54	19.48	18.88	20
		6	0	19.34	19.41	19.02	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18615	18900	19185	
3MHz	QPSK	1	0	21.51	21.26	21.11	22
		1	8	21.66	21.55	21.31	22
		1	14	21.14	21.07	21.03	22
		8	0	20.50	20.28	20.20	21
		8	4	20.74	20.31	20.11	21
		8	7	20.30	20.49	20.06	21
		15	0	20.34	20.50	20.05	21
	16QAM	1	0	20.64	20.19	20.29	21.5
		1	8	20.71	20.72	20.15	21.5
		1	14	20.22	20.24	19.88	21.5
		8	0	19.71	19.46	19.32	20
		8	4	19.58	19.48	19.33	20
		8	7	19.47	19.43	19.09	20
		15	0	19.34	19.63	18.92	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18625	18900	19175	
5MHz	QPSK	1	0	21.20	20.96	21.07	22
		1	12	21.47	21.37	21.23	22
		1	24	21.44	20.98	21.00	22

		12	0	20.65	20.47	20.33	21
		12	6	20.55	20.69	20.15	21
		12	13	20.32	20.36	19.71	21
		25	0	20.60	20.55	19.96	21
	16QAM	1	0	20.66	20.26	19.90	21.5
		1	12	20.66	20.63	20.29	21.5
		1	24	20.27	20.20	20.12	21.5
		12	0	19.56	19.65	19.26	20
		12	6	19.58	19.64	19.20	20
		12	13	19.55	19.58	18.71	20
25	0	19.25	19.25	18.97	20		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18650	18900	19150	
10MHz	QPSK	1	0	21.50	21.32	21.19	22
		1	24	21.63	21.33	21.16	22
		1	49	21.14	20.87	20.91	22
		25	0	20.70	20.46	20.04	21
		25	12	20.45	20.51	20.13	21
		25	25	20.45	20.42	19.82	21
		50	0	20.52	20.29	20.14	21
	16QAM	1	0	20.45	20.16	19.96	21.5
		1	24	20.93	20.74	20.11	21.5
		1	49	20.45	20.12	19.99	21.5
		25	0	19.71	19.59	19.02	20
		25	12	19.50	19.70	19.06	20
		25	25	19.34	19.54	18.81	20
		50	0	19.52	19.38	19.07	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				18675	18900	19125	
15MHz	QPSK	1	0	21.13	21.20	21.07	22
		1	38	21.68	21.33	21.52	22
		1	74	21.22	21.13	20.99	22
		36	0	20.54	20.55	20.15	21
		36	18	20.73	20.64	20.31	21
		36	37	20.40	20.38	19.86	21
		75	0	20.63	20.35	20.02	21
	16QAM	1	0	20.29	20.28	19.96	21.5
		1	38	20.89	20.42	20.16	21.5
		1	74	20.19	19.91	19.82	21.5
		36	0	19.40	19.71	19.21	20
36		18	19.52	19.40	19.01	20	

Bandwidth	Modulation	36	37	19.27	19.40	18.99	20
		75	0	19.40	19.61	18.89	20
20MHz	QPSK	RB size	RB offset	Channel 18700	Channel 18900	Channel 19100	Tune up
		1	0	21.62	21.44	21.44	
1	49	21.86	21.76	21.64	22		
1	99	21.54	21.35	21.19	22		
50	0	20.85	20.71	20.43	21		
50	25	20.85	20.80	20.44	21		
50	50	20.67	20.65	20.19	21		
100	0	20.76	20.68	20.30	21		
20MHz	16QAM	1	0	20.76	20.51	20.39	21.5
		1	49	21.08	20.84	20.60	21.5
		1	99	20.69	20.40	20.24	21.5
		50	0	19.90	19.81	19.44	20
		50	25	19.90	19.83	19.43	20
		50	50	19.73	19.71	19.19	20
		100	0	19.75	19.74	19.34	20

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B4

LTE FDD B4				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19957	20175	20393	
1.4MHz	QPSK	1	0	21.68	21.98	22.06	22.5
		1	2	22.31	22.44	22.45	22.5
		1	5	22.05	21.88	22.09	22.5
		3	0	20.94	21.12	21.26	21.5
		3	1	21.03	21.07	21.26	21.5
		3	3	21.24	21.09	21.16	21.5
		6	0	21.10	21.14	21.21	21.5
	16QAM	1	0	20.48	20.97	20.81	21.5
		1	2	21.14	21.21	21.00	21.5
		1	5	20.89	20.90	20.78	21.5
		3	0	19.69	19.86	20.17	21.5
		3	1	19.76	19.89	19.94	21.5
		3	3	19.95	19.81	20.02	21.5
		6	0	20.07	19.80	20.05	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19965	20175	20385	
3MHz	QPSK	1	0	21.40	21.73	21.84	22.5
		1	8	21.98	22.09	22.30	22.5
		1	14	21.88	21.60	21.69	22.5
		8	0	20.80	20.74	20.98	21.5
		8	4	20.86	20.96	21.01	21.5
		8	7	20.96	20.73	21.06	21.5
		15	0	20.75	20.79	21.11	21.5
	16QAM	1	0	20.33	20.98	20.82	21.5
		1	8	21.18	21.09	21.16	21.5
		1	14	20.79	20.74	20.93	21.5
		8	0	19.78	19.86	20.15	21.5
		8	4	19.79	19.83	19.99	21.5
		8	7	19.99	19.98	19.95	21.5
		15	0	19.77	19.98	20.03	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				19975	20175	20375	
5MHz	QPSK	1	0	21.52	21.81	21.82	22.5
		1	12	22.08	22.33	22.31	22.5
		1	24	21.89	21.70	21.99	22.5
		12	0	20.72	20.75	21.14	21.5
		12	6	20.86	20.84	21.06	21.5

	16QAM	12	13	21.13	20.74	21.05	21.5
		25	0	20.82	20.99	20.94	21.5
		1	0	20.55	20.94	20.96	21.5
		1	12	20.95	21.38	21.09	21.5
		1	24	20.84	20.88	20.85	21.5
		12	0	19.76	20.04	20.07	21.5
		12	6	19.89	19.77	19.88	21.5
		12	13	19.87	19.95	20.06	21.5
		25	0	19.80	19.76	19.95	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 20000	Channel 20175	Channel 20350	Tune up
10MHz	QPSK	1	0	21.46	21.80	21.72	22.5
		1	24	22.00	22.24	22.09	22.5
		1	49	21.92	21.75	21.93	22.5
		25	0	20.65	21.01	21.05	21.5
		25	12	20.66	20.70	21.09	21.5
		25	25	21.06	20.85	20.92	21.5
		50	0	20.89	20.95	20.98	21.5
	16QAM	1	0	20.58	20.86	20.75	21.5
		1	24	21.16	21.10	21.14	21.5
		1	49	20.67	20.81	20.72	21.5
		25	0	19.85	19.74	20.18	21.5
		25	12	19.61	19.90	20.08	21.5
		25	25	20.12	19.81	20.02	21.5
		50	0	20.06	19.93	19.89	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 20025	Channel 20175	Channel 20325	Tune up
15MHz	QPSK	1	0	21.34	21.54	21.65	22.5
		1	38	22.06	22.04	22.23	22.5
		1	74	21.90	21.42	21.76	22.5
		36	0	20.55	21.00	20.94	21.5
		36	18	20.78	20.57	20.89	21.5
		36	37	21.06	20.98	20.95	21.5
		75	0	20.61	20.99	20.92	21.5
	16QAM	1	0	20.53	20.71	20.71	21.5
		1	38	20.88	21.04	21.10	21.5
		1	74	20.70	20.59	20.73	21.5
		36	0	19.73	19.72	19.84	21.5
		36	18	19.70	19.91	19.92	21.5
		36	37	19.73	19.79	19.86	21.5
		75	0	19.95	19.78	19.77	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 20050	Channel 20175	Channel 20300	Tune up

20MHz	QPSK	1	0	21.68	21.98	22.06	22.5
		1	49	22.31	22.44	22.45	22.5
		1	99	22.05	21.88	22.09	22.5
		50	0	20.94	21.12	21.26	21.5
		50	25	21.03	21.07	21.26	21.5
		50	50	21.24	21.09	21.16	21.5
		100	0	21.10	21.14	21.21	21.5
	16QAM	1	0	20.71	21.14	21.07	21.5
		1	49	21.29	21.49	21.31	21.5
		1	99	21.05	21.06	21.04	21.5
		50	0	20.02	20.14	20.31	21.5
		50	25	20.01	20.16	20.24	21.5
		50	50	20.23	20.18	20.22	21.5
		100	0	20.17	20.14	20.24	21.5

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B5

LTE FDD B5				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20407	20525	20643	
1.4MHz	QPSK	1	0	22.25	22.46	22.45	23
		1	2	22.64	22.49	22.66	23
		1	5	22.58	22.49	22.44	23
		3	0	21.49	21.53	21.65	22.5
		3	1	21.52	21.49	21.65	22.5
		3	3	21.50	21.72	21.63	22.5
		6	0	21.59	21.67	21.58	22.5
	16QAM	1	0	21.64	21.71	21.88	22.5
		1	2	21.71	21.91	21.94	22.5
		1	5	21.60	21.64	21.63	22.5
		3	0	20.34	20.65	20.73	22
		3	1	20.31	20.81	20.70	22
		3	3	20.45	20.75	20.86	22
		6	0	20.46	20.63	20.64	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20415	20525	20635	
3MHz	QPSK	1	0	22.21	22.36	22.51	23
		1	8	22.40	22.68	22.53	23
		1	14	22.37	22.49	22.66	23
		8	0	21.45	21.55	21.70	22.5
		8	4	21.44	21.62	21.78	22.5
		8	7	21.59	21.64	21.62	22.5
		15	0	21.43	21.56	21.78	22.5
	16QAM	1	0	21.64	21.69	21.89	22.5
		1	8	21.76	21.73	21.97	22.5
		1	14	21.56	21.71	21.82	22.5
		8	0	20.44	20.70	20.67	22
		8	4	20.49	20.69	20.87	22
		8	7	20.37	20.75	20.88	22
		15	0	20.60	20.66	20.66	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20425	20525	20625	
5MHz	QPSK	1	0	22.20	22.53	22.53	23
		1	12	22.59	22.43	22.55	23
		1	24	22.58	22.62	22.61	23
		12	0	21.48	21.51	21.59	22.5
		12	6	21.53	21.69	21.82	22.5

	16QAM	12	13	21.31	21.57	21.72	22.5
		25	0	21.32	21.70	21.66	22.5
		1	0	21.42	21.71	21.63	22.5
		1	12	21.75	21.77	21.97	22.5
		1	24	21.53	21.57	21.86	22.5
		12	0	20.40	20.81	20.77	22
		12	6	20.46	20.66	20.78	22
		12	13	20.56	20.70	20.65	22
		25	0	20.30	20.50	20.80	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20450	20525	20600	
10MHz	QPSK	1	0	22.56	22.70	22.83	23
		1	24	22.74	22.80	22.91	23
		1	49	22.71	22.76	22.76	23
		25	0	21.71	21.88	21.99	22.5
		25	12	21.72	21.89	21.97	22.5
		25	25	21.70	21.86	21.97	22.5
		50	0	21.70	21.86	21.97	22.5
	16QAM	1	0	21.78	21.88	22.03	22.5
		1	24	21.86	22.01	22.23	22.5
		1	49	21.92	21.97	22.00	22.5
		25	0	20.69	20.97	21.05	22
		25	12	20.68	20.98	21.02	22
		25	25	20.70	20.90	20.98	22
		50	0	20.70	20.90	21.03	22

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B7

LTE FDD B7				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20775	21100	21425	
5MHz	QPSK	1	0	21.05	21.07	20.92	21.5
		1	12	21.16	20.95	20.95	21.5
		1	24	20.82	20.30	20.39	21.5
		12	0	19.97	19.63	19.81	20.5
		12	6	19.92	19.76	19.77	20.5
		12	13	20.08	19.70	19.69	20.5
		25	0	20.26	19.59	19.67	20.5
	16QAM	1	0	20.17	19.55	19.62	20.5
		1	12	20.00	19.86	19.95	20.5
		1	24	19.67	19.47	19.65	20.5
		12	0	19.10	18.84	18.78	20.5
		12	6	18.86	18.70	18.80	20.5
		12	13	19.07	18.56	18.78	20.5
		25	0	19.02	18.91	18.58	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20800	21100	21400	
10MHz	QPSK	1	0	20.91	21.14	20.98	21.5
		1	24	21.07	20.83	20.70	21.5
		1	49	20.73	20.33	20.45	21.5
		25	0	20.00	19.67	19.57	20.5
		25	12	19.91	19.72	19.63	20.5
		25	25	20.16	19.72	19.67	20.5
		50	0	20.08	19.77	19.60	20.5
	16QAM	1	0	20.04	19.70	19.65	20.5
		1	24	20.00	19.83	19.77	20.5
		1	49	19.69	19.61	19.70	20.5
		25	0	19.02	18.64	18.74	20.5
		25	12	18.82	18.86	18.88	20.5
		25	25	19.29	18.73	18.69	20.5
		50	0	19.18	18.90	18.71	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20825	21100	21375	
15MHz	QPSK	1	0	20.94	21.00	21.12	21.5
		1	38	21.03	20.96	20.78	21.5
		1	74	20.69	20.30	20.46	21.5
		36	0	19.96	19.79	19.66	20.5
		36	18	19.81	19.77	19.67	20.5

	16QAM	36	37	19.99	19.92	19.64	20.5
		75	0	20.29	19.66	19.60	20.5
		1	0	19.98	19.47	19.50	20.5
		1	38	20.00	19.93	19.93	20.5
		1	74	19.52	19.58	19.71	20.5
		36	0	18.98	18.81	18.63	20.5
		36	18	18.78	18.82	18.86	20.5
		36	37	19.37	18.54	18.68	20.5
		75	0	19.19	18.83	18.74	20.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				20850	21100	21350	
20MHz	QPSK	1	0	21.21	21.24	21.25	21.5
		1	49	21.39	21.16	21.05	21.5
		1	99	21.00	20.70	20.78	21.5
		50	0	20.23	19.98	19.92	20.5
		50	25	20.15	20.11	20.00	20.5
		50	50	20.39	20.02	19.89	20.5
		100	0	20.39	19.94	19.93	20.5
	16QAM	1	0	20.31	19.86	19.85	20.5
		1	49	20.38	20.22	20.11	20.5
		1	99	19.89	19.76	19.83	20.5
		50	0	19.29	19.04	18.96	20.5
		50	25	18.96	19.03	18.99	20.5
		50	50	19.47	18.93	18.88	20.5
		100	0	19.40	19.01	18.92	20.5

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B12

LTE FDD B12				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23017	23095	23173	
1.4MHz	QPSK	1	0	22.14	22.10	22.19	23
		1	2	22.32	22.33	22.33	23
		1	5	22.31	22.34	22.41	23
		3	0	21.13	21.36	21.08	22
		3	1	21.30	21.25	21.23	22
		3	3	21.33	21.32	21.13	22
		6	0	21.27	21.24	21.23	22
	16QAM	1	0	21.22	21.01	21.26	22
		1	2	21.59	21.32	21.43	22
		1	5	21.29	21.27	21.46	22
		3	0	20.40	20.31	20.34	22
		3	1	20.30	20.20	20.06	22
		3	3	20.23	20.37	20.23	22
		6	0	20.14	20.27	20.38	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23025	23095	23165	
3MHz	QPSK	1	0	21.97	22.11	22.29	23
		1	8	22.36	22.52	22.35	23
		1	14	22.26	22.37	22.45	23
		8	0	21.12	21.38	21.28	22
		8	4	21.27	21.36	21.23	22
		8	7	21.07	21.43	21.36	22
		15	0	21.11	21.21	21.15	22
	16QAM	1	0	21.37	21.10	21.45	22
		1	8	21.51	21.16	21.66	22
		1	14	21.42	21.34	21.55	22
		8	0	20.26	20.47	20.23	22
		8	4	20.42	20.29	20.19	22
		8	7	20.42	20.35	20.26	22
		15	0	20.39	20.35	20.27	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23035	23095	23155	
5MHz	QPSK	1	0	21.94	22.08	22.07	23
		1	12	22.37	22.52	22.34	23
		1	24	22.22	22.30	22.45	23
		12	0	21.31	21.38	21.30	22
		12	6	21.27	21.34	21.17	22

	16QAM	12	13	21.26	21.30	21.08	22
		25	0	21.15	21.42	21.27	22
		1	0	21.34	20.97	21.51	22
		1	12	21.54	21.12	21.58	22
		1	24	21.54	21.38	21.43	22
		12	0	20.42	20.41	20.16	22
		12	6	20.29	20.25	20.26	22
		12	13	20.19	20.38	20.20	22
		25	0	20.37	20.45	20.32	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23060	23095	23130	
10MHz	QPSK	1	0	22.31	22.40	22.44	23
		1	24	22.50	22.67	22.58	23
		1	49	22.42	22.56	22.57	23
		25	0	21.51	21.59	21.43	22
		25	12	21.50	21.55	21.42	22
		25	25	21.47	21.62	21.48	22
		50	0	21.49	21.55	21.46	22
	16QAM	1	0	21.49	21.33	21.64	22
		1	24	21.74	21.47	21.81	22
		1	49	21.64	21.52	21.75	22
		25	0	20.56	20.57	20.49	22
		25	12	20.55	20.59	20.45	22
		25	25	20.58	20.69	20.49	22
		50	0	20.51	20.61	20.48	22

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B17

LTE FDD B17				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23755	23790	23825	
5MHz	QPSK	1	0	21.94	22.21	22.15	23
		1	12	22.43	22.50	22.32	23
		1	24	22.22	22.33	22.41	23
		12	0	21.16	21.20	21.36	22
		12	6	21.23	21.21	21.23	22
		12	13	21.29	21.41	21.39	22
		25	0	21.17	21.23	21.12	22
	16QAM	1	0	21.35	21.02	21.46	22
		1	12	21.59	21.34	21.70	22
		1	24	21.33	21.35	21.34	22
		12	0	20.30	20.15	20.38	22
		12	6	20.29	20.33	20.16	22
		12	13	20.49	20.39	20.30	22
		25	0	20.51	20.30	20.24	22
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				23780	23790	23800	
10MHz	QPSK	1	0	22.33	22.49	22.39	23
		1	24	22.62	22.62	22.58	23
		1	49	22.55	22.56	22.54	23
		25	0	21.50	21.47	21.49	22
		25	12	21.53	21.52	21.50	22
		25	25	21.58	21.58	21.52	22
		50	0	21.55	21.48	21.48	22
	16QAM	1	0	21.55	21.35	21.56	22
		1	24	21.80	21.49	21.85	22
		1	49	21.69	21.50	21.74	22
		25	0	20.54	20.53	20.48	22
		25	12	20.61	20.59	20.53	22
		25	25	20.65	20.59	20.53	22
		50	0	20.62	20.55	20.47	22

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B25

LTE FDD B25				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26047	26365	26683	
1.4MHz	QPSK	1	0	21.53	21.43	20.88	22.5
		1	2	21.60	21.88	21.02	22.5
		1	5	21.40	21.18	20.70	22.5
		3	0	20.77	20.70	20.29	21
		3	1	20.66	20.48	20.08	21
		3	3	20.37	20.44	20.07	21
		6	0	20.46	20.44	20.22	21
	16QAM	1	0	20.49	20.59	19.88	21.5
		1	2	20.69	20.67	20.26	21.5
		1	5	20.36	20.46	19.98	21.5
		3	0	19.60	19.73	19.15	20
		3	1	19.49	19.59	19.15	20
		3	3	19.65	19.45	19.09	20
		6	0	19.48	19.28	19.10	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26055	26365	26675	
3MHz	QPSK	1	0	21.50	21.32	20.95	22.5
		1	8	21.56	21.80	21.24	22.5
		1	14	21.22	21.30	20.85	22.5
		8	0	20.66	20.57	20.12	21
		8	4	20.76	20.57	20.32	21
		8	7	20.54	20.50	20.06	21
		15	0	20.50	20.54	20.02	21
	16QAM	1	0	20.38	20.44	19.98	21.5
		1	8	20.58	20.73	20.37	21.5
		1	14	20.15	20.40	20.12	21.5
		8	0	19.69	19.66	19.29	20
		8	4	19.57	19.61	19.19	20
		8	7	19.70	19.29	19.10	20
		15	0	19.69	19.54	19.05	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26065	26365	26665	
5MHz	QPSK	1	0	21.52	21.44	20.81	22.5
		1	12	21.68	21.83	21.13	22.5
		1	24	21.18	21.07	20.85	22.5
		12	0	20.48	20.70	20.13	21
		12	6	20.68	20.54	20.04	21

	16QAM	12	13	20.39	20.47	20.05	21
		25	0	20.47	20.40	20.14	21
		1	0	20.56	20.60	19.94	21.5
		1	12	20.62	20.86	20.27	21.5
		1	24	20.32	20.44	19.88	21.5
		12	0	19.69	19.58	19.10	20
		12	6	19.60	19.47	19.25	20
		12	13	19.52	19.52	19.19	20
		25	0	19.68	19.44	19.01	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26090	26365	26640	
10MHz	QPSK	1	0	21.47	21.45	20.86	22.5
		1	24	21.55	21.85	21.03	22.5
		1	49	21.17	21.18	20.74	22.5
		25	0	20.56	20.43	20.30	21
		25	12	20.50	20.55	20.14	21
		25	25	20.57	20.46	19.96	21
		50	0	20.68	20.36	20.07	21
	16QAM	1	0	20.41	20.63	20.14	21.5
		1	24	20.54	20.66	20.41	21.5
		1	49	20.37	20.28	19.87	21.5
		25	0	19.62	19.43	19.36	20
		25	12	19.51	19.68	19.23	20
		25	25	19.60	19.29	19.18	20
		50	0	19.60	19.32	19.25	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26115	26365	26615	
15MHz	QPSK	1	0	21.33	21.52	20.87	22.5
		1	38	21.70	21.76	21.18	22.5
		1	74	21.43	21.12	20.97	22.5
		36	0	20.77	20.48	20.24	21
		36	18	20.61	20.59	20.28	21
		36	37	20.65	20.21	19.92	21
		75	0	20.64	20.48	20.05	21
	16QAM	1	0	20.48	20.67	19.98	21.5
		1	38	20.56	20.77	20.22	21.5
		1	74	20.27	20.30	20.05	21.5
		36	0	19.75	19.72	19.36	20
		36	18	19.68	19.60	19.32	20
		36	37	19.65	19.33	18.98	20
		75	0	19.62	19.47	19.14	20
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26140	26365	26590	

20MHz	QPSK	1	0	21.72	21.63	21.14	22.5
		1	49	21.87	22.04	21.42	22.5
		1	99	21.56	21.41	21.10	22.5
		50	0	20.88	20.80	20.47	21
		50	25	20.87	20.79	20.44	21
		50	50	20.75	20.60	20.29	21
		100	0	20.78	20.72	20.32	21
	16QAM	1	0	20.67	20.80	20.25	21.5
		1	49	20.90	21.05	20.54	21.5
		1	99	20.55	20.57	20.26	21.5
		50	0	19.86	19.83	19.48	20
		50	25	19.86	19.84	19.46	20
		50	50	19.80	19.66	19.36	20
		100	0	19.82	19.68	19.37	20

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B26

LTE FDD B26				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26697	26865	27033	
1.4MHz	QPSK	1	0	22.29	22.38	22.35	23
		1	2	22.19	22.33	22.63	23
		1	5	22.25	22.64	22.47	23
		3	0	21.26	21.41	21.75	22.5
		3	1	21.43	21.45	21.73	22.5
		3	3	21.44	21.56	21.77	22.5
		6	0	21.27	21.67	21.90	22.5
	16QAM	1	0	21.75	21.25	21.65	22.5
		1	2	21.74	21.38	22.04	22.5
		1	5	21.45	21.58	21.90	22.5
		3	0	20.32	20.53	20.80	21
		3	1	20.49	20.41	20.62	21
		3	3	20.44	20.42	20.60	21
		6	0	20.26	20.48	20.64	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26705	26865	27025	
3MHz	QPSK	1	0	22.32	22.27	22.48	23
		1	8	22.36	22.51	22.64	23
		1	14	22.32	22.53	22.64	23
		8	0	21.24	21.35	21.84	22.5
		8	4	21.16	21.45	21.87	22.5
		8	7	21.31	21.49	21.65	22.5
		15	0	21.26	21.47	21.87	22.5
	16QAM	1	0	21.53	21.18	21.66	22.5
		1	8	21.51	21.51	22.03	22.5
		1	14	21.69	21.49	21.69	22.5
		8	0	20.46	20.50	20.69	21
		8	4	20.47	20.43	20.72	21
		8	7	20.38	20.31	20.60	21
		15	0	20.52	20.49	20.70	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26715	26865	27015	
5MHz	QPSK	1	0	22.22	22.43	22.57	23
		1	12	22.17	22.60	22.45	23
		1	24	22.24	22.64	22.67	23
		12	0	21.38	21.41	21.83	22.5
		12	6	21.41	21.40	21.85	22.5

	16QAM	12	13	21.35	21.61	21.79	22.5
		25	0	21.37	21.43	21.79	22.5
		1	0	21.66	21.30	21.66	22.5
		1	12	21.49	21.51	22.03	22.5
		1	24	21.62	21.35	21.70	22.5
		12	0	20.43	20.51	20.68	21
		12	6	20.50	20.28	20.59	21
		12	13	20.52	20.27	20.77	21
25	0	20.33	20.37	20.73	21		
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26740	26865	26990	
10MHz	QPSK	1	0	22.12	22.47	22.36	23
		1	24	22.41	22.43	22.57	23
		1	49	22.44	22.49	22.57	23
		25	0	21.24	21.29	21.71	22.5
		25	12	21.43	21.49	21.75	22.5
		25	25	21.25	21.47	21.82	22.5
		50	0	21.32	21.44	21.80	22.5
	16QAM	1	0	21.53	21.21	21.75	22.5
		1	24	21.50	21.54	21.86	22.5
		1	49	21.64	21.46	21.80	22.5
		25	0	20.45	20.58	20.73	21
		25	12	20.33	20.33	20.79	21
		25	25	20.42	20.49	20.65	21
		50	0	20.38	20.59	20.62	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				26765	26865	26965	
15MHz	QPSK	1	0	22.48	22.58	22.73	23
		1	38	22.57	22.70	22.85	23
		1	74	22.59	22.84	22.83	23
		36	0	21.50	21.69	22.03	22.5
		36	18	21.55	21.74	21.99	22.5
		36	37	21.56	21.71	21.99	22.5
		75	0	21.66	21.78	22.05	22.5
	16QAM	1	0	21.85	21.51	21.91	22.5
		1	38	21.86	21.68	22.15	22.5
		1	74	21.83	21.75	22.01	22.5
		36	0	20.62	20.72	20.94	21
		36	18	20.63	20.62	20.97	21
		36	37	20.62	20.66	20.99	21
		75	0	20.65	20.76	20.98	21

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B38

LTE FDD B38				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37775	38000	38225	
5MHz	QPSK	1	0	21.17	21.26	21.15	22
		1	12	21.33	21.54	21.38	22
		1	24	21.06	21.24	21.26	22
		12	0	20.19	20.36	20.40	22
		12	6	20.29	20.41	20.43	22
		12	13	20.32	20.41	20.51	22
		25	0	20.19	20.40	20.31	22
	16QAM	1	0	19.92	20.19	20.55	21
		1	12	20.10	20.38	20.72	21
		1	24	19.75	20.21	20.26	21
		12	0	19.46	19.18	19.34	21
		12	6	19.43	19.47	19.61	21
		12	13	19.54	19.51	19.41	21
		25	0	19.38	19.38	19.42	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37800	38000	38200	
10MHz	QPSK	1	0	21.09	21.03	21.08	22
		1	24	21.42	21.50	21.39	22
		1	49	21.20	21.24	21.25	22
		25	0	20.23	20.47	20.54	22
		25	12	20.12	20.43	20.34	22
		25	25	20.28	20.49	20.39	22
		50	0	20.22	20.34	20.49	22
	16QAM	1	0	19.68	20.22	20.46	21
		1	24	20.21	20.39	20.85	21
		1	49	19.89	20.11	20.24	21
		25	0	19.23	19.41	19.49	21
		25	12	19.44	19.40	19.38	21
		25	25	19.49	19.50	19.45	21
		50	0	19.32	19.43	19.37	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37825	38000	38175	
15MHz	QPSK	1	0	21.19	21.12	21.24	22
		1	38	21.46	21.63	21.56	22
		1	74	20.93	21.25	21.08	22
		36	0	20.18	20.32	20.49	22
		36	18	20.32	20.34	20.52	22
		36	37	20.29	20.34	20.43	22

	16QAM	75	0	20.20	20.53	20.51	22
		1	0	19.91	20.13	20.33	21
		1	38	20.23	20.57	20.72	21
		1	74	19.76	20.08	20.37	21
		36	0	19.44	19.40	19.58	21
		36	18	19.37	19.18	19.60	21
		36	37	19.56	19.40	19.57	21
		75	0	19.24	19.46	19.44	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				37850	38000	38150	
20MHz	QPSK	1	0	21.37	21.38	21.43	22
		1	49	21.67	21.76	21.78	22
		1	99	21.32	21.43	21.39	22
		50	0	20.55	20.61	20.68	22
		50	25	20.50	20.60	20.70	22
		50	50	20.60	20.68	20.69	22
		100	0	20.58	20.67	20.67	22
	16QAM	1	0	20.04	20.34	20.68	21
		1	49	20.35	20.76	20.99	21
		1	99	20.05	20.44	20.62	21
		50	0	19.62	19.58	19.70	21
		50	25	19.61	19.58	19.71	21
		50	50	19.67	19.69	19.75	21
		100	0	19.59	19.72	19.71	21

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B41

LTE FDD B41				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40065	40615	41215	
5MHz	QPSK	1	0	20.97	21.07	21.30	22
		1	12	21.49	21.67	21.63	22
		1	24	21.05	21.16	21.39	22
		12	0	20.28	20.51	20.63	22
		12	6	20.20	20.36	20.67	22
		12	13	20.36	20.38	20.55	22
		25	0	20.47	20.56	20.54	22
	16QAM	1	0	20.44	20.02	20.39	21
		1	12	20.55	20.08	20.73	21
		1	24	20.26	20.03	20.22	21
		12	0	19.35	19.53	19.66	21
		12	6	19.21	19.53	19.73	21
		12	13	19.39	19.54	19.68	21
		25	0	19.42	19.61	19.54	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40090	40615	41190	
10MHz	QPSK	1	0	21.11	21.21	21.51	22
		1	24	21.28	21.58	21.85	22
		1	49	20.97	21.39	21.57	22
		25	0	20.24	20.27	20.67	22
		25	12	20.38	20.43	20.66	22
		25	25	20.40	20.28	20.67	22
		50	0	20.22	20.47	20.46	22
	16QAM	1	0	20.28	19.86	20.21	21
		1	24	20.75	20.35	20.83	21
		1	49	20.36	20.01	20.45	21
		25	0	19.25	19.40	19.63	21
		25	12	19.34	19.47	19.49	21
		25	25	19.41	19.56	19.74	21
		50	0	19.30	19.62	19.61	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40115	40615	41165	
15MHz	QPSK	1	0	21.01	21.11	21.27	22
		1	38	21.38	21.67	21.65	22
		1	74	21.03	21.10	21.48	22
		36	0	20.16	20.51	20.43	22
		36	18	20.28	20.41	20.57	22
		36	37	20.34	20.36	20.69	22

	16QAM	75	0	20.26	20.43	20.68	22
		1	0	20.34	19.99	20.26	21
		1	38	20.72	20.26	20.58	21
		1	74	20.26	19.86	20.33	21
		36	0	19.34	19.50	19.62	21
		36	18	19.27	19.57	19.73	21
		36	37	19.54	19.36	19.54	21
		75	0	19.19	19.40	19.52	21
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				40140	40615	41140	
20MHz	QPSK	1	0	21.32	21.47	21.65	22
		1	49	21.65	21.82	21.99	22
		1	99	21.31	21.49	21.67	22
		50	0	20.44	20.62	20.81	22
		50	25	20.55	20.60	20.80	22
		50	50	20.60	20.65	20.85	22
		100	0	20.61	20.71	20.80	22
	16QAM	1	0	20.61	20.15	20.54	21
		1	49	20.92	20.46	20.94	21
		1	99	20.59	20.19	20.58	21
		50	0	19.60	19.69	19.83	21
		50	25	19.58	19.71	19.86	21
		50	50	19.67	19.75	19.84	21
		100	0	19.57	19.76	19.89	21

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

LTE B66

LTE FDD B66				Conducted Power(dBm)			
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131979	132322	132665	
1.4MHz	QPSK	1	0	21.56	21.89	21.63	22.5
		1	2	21.88	21.95	21.69	22.5
		1	5	21.79	21.83	21.23	22.5
		3	0	20.58	21.18	20.68	21.5
		3	1	20.82	20.92	20.88	21.5
		3	3	21.11	20.83	20.61	21.5
		6	0	20.81	20.94	20.74	21.5
	16QAM	1	0	20.55	20.86	20.57	21.5
		1	2	20.89	21.24	20.87	21.5
		1	5	20.80	20.69	20.38	21.5
		3	0	19.62	20.19	19.68	21.5
		3	1	19.64	20.13	19.83	21.5
		3	3	20.09	19.99	19.54	21.5
		6	0	19.81	20.11	19.54	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				191987	132322	132657	
3MHz	QPSK	1	0	21.43	21.72	21.82	22.5
		1	8	21.96	22.09	21.81	22.5
		1	14	21.65	21.78	21.32	22.5
		8	0	20.81	20.98	20.90	21.5
		8	4	20.60	20.89	20.68	21.5
		8	7	20.97	21.07	20.38	21.5
		15	0	20.87	20.98	20.68	21.5
	16QAM	1	0	20.54	20.92	20.79	21.5
		1	8	21.04	21.02	20.82	21.5
		1	14	20.84	20.72	20.41	21.5
		8	0	19.83	19.98	19.69	21.5
		8	4	19.85	19.95	19.69	21.5
		8	7	20.04	20.00	19.64	21.5
		15	0	19.96	19.93	19.60	21.5
Bandwidth	Modulation	RB size	RB offset	Channel	Channel	Channel	Tune up
				131997	132322	132647	
5MHz	QPSK	1	0	21.27	21.80	21.57	22.5
		1	12	21.84	22.05	21.85	22.5
		1	24	21.78	22.00	21.12	22.5
		12	0	20.62	21.01	20.87	21.5
		12	6	20.83	21.04	20.89	21.5

	16QAM	12	13	20.94	20.83	20.41	21.5
		25	0	21.02	21.03	20.75	21.5
		1	0	20.33	20.94	20.66	21.5
		1	12	20.98	21.25	20.85	21.5
		1	24	20.73	20.79	20.15	21.5
		12	0	19.73	20.06	19.67	21.5
		12	6	19.91	19.92	19.79	21.5
		12	13	19.91	19.86	19.65	21.5
		25	0	20.01	19.93	19.72	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 132022	Channel 132322	Channel 132622	Tune up
10MHz	QPSK	1	0	21.43	21.80	21.60	22.5
		1	24	21.81	22.19	21.78	22.5
		1	49	21.78	21.80	21.20	22.5
		25	0	20.81	21.07	20.67	21.5
		25	12	20.76	20.90	20.80	21.5
		25	25	21.03	20.87	20.57	21.5
		50	0	20.82	21.05	20.68	21.5
	16QAM	1	0	20.30	20.76	20.68	21.5
		1	24	21.03	21.27	20.73	21.5
		1	49	20.94	20.87	20.15	21.5
		25	0	19.68	20.10	19.76	21.5
		25	12	19.72	19.97	19.78	21.5
		25	25	20.15	20.05	19.63	21.5
		50	0	20.04	19.83	19.59	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 132047	Channel 132322	Channel 132597	Tune up
15MHz	QPSK	1	0	21.29	21.75	21.83	22.5
		1	38	22.09	21.97	21.64	22.5
		1	74	21.78	21.95	21.14	22.5
		36	0	20.85	21.14	20.92	21.5
		36	18	20.85	21.12	20.76	21.5
		36	37	20.93	20.83	20.60	21.5
		75	0	20.72	21.03	20.45	21.5
	16QAM	1	0	20.45	20.82	20.78	21.5
		1	38	20.92	21.30	20.93	21.5
		1	74	20.81	20.92	20.36	21.5
		36	0	19.91	20.13	19.80	21.5
		36	18	19.90	19.92	19.87	21.5
		36	37	20.15	19.88	19.56	21.5
		75	0	19.84	19.86	19.55	21.5
Bandwidth	Modulation	RB size	RB offset	Channel 132072	Channel 132322	Channel 232572	Tune up

20MHz	QPSK	1	0	21.67	22.10	21.95	22.5
		1	49	22.21	22.32	22.02	22.5
		1	99	22.05	22.11	21.50	22.5
		50	0	20.98	21.30	21.05	21.5
		50	25	20.99	21.29	21.00	21.5
		50	50	21.22	21.19	20.76	21.5
		100	0	21.12	21.21	20.85	21.5
	16QAM	1	0	20.70	21.09	20.93	21.5
		1	49	21.19	21.42	21.09	21.5
		1	99	21.04	21.09	20.51	21.5
		50	0	20.01	20.33	20.03	21.5
		50	25	20.01	20.29	20.04	21.5
		50	50	20.29	20.24	19.78	21.5
		100	0	20.15	20.22	19.88	21.5

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.
- 2) All power is the frame-averaged power.

Wi-Fi 2.4GHz

Mode	Data Rate	Ch.#	Freq. (MHz)	Ant 1		Duty Cycle (%)
				Avg. Pwr. (dBm)	Tune-up (dBm)	
802.11b	1Mbps	1	2412	12.05	13.0	99.55
		6	2437	12.06		
		11	2462	12.28		
802.11g	6Mbps	1	2412	16.00	16.0	96.94
		6	2437	15.87		
		11	2462	16.00		
802.11n (20M)	HT0	1	2412	Not Required	15.5	/
		6	2437			
		11	2462			
802.11n (40M)	HT0	3	2422		12.0	/
		6	2437			
		9	2452			

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

Wi-Fi 5GHz

Band	Mode Data Rate	BW[MHz]	Channel	Freq[MHz]	Ant 1		Duty Cycle (%)
					Avg Pwr(dBm)	Tune-up (dBm)	
5.3GHz	802.11a 6Mbps	20M	36	5180	12.47	12.5	97.08
			40	5200	12.43		
			44	5220	12.40		
			48	5240	12.48		
			52	5260	Not Required	12.0	
			56	5280			
			60	5300			
	64	5320					
	802.11n HT0	20M	36	5180	10.58	11.5	96.8
			40	5200	10.70		
			44	5220	10.52		
			48	5240	10.61		
			52	5260	Not Required	11.0	
			56	5280			
			60	5300			
	64	5320					
	802.11ac VHT0	20M	36	5180	Not Required	11.0	/
			40	5200			
			44	5220			
			48	5240			
			52	5260			
			56	5280			
			60	5300			
	64	5320					
802.11n HT0	40M	38	5190	Not Required	10.5	/	
		46	5230		10.5		
		54	5270		10.5		
		62	5310		10.5		
802.11ac VHT0	40M	38	5190	Not Required	10.5	/	
		46	5230		10.5		
		54	5270		10.5		
		62	5310		10.5		
802.11ac VHT0	80M	42	5210	Not Required	10.0	/	
		58	5290		10.0		

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

Band	Mode Data Rate	BW[MHz]	CH	Freq[MHz]	Ant 1		Duty Cycle (%)
					Avg Pwr(dBm)	Tune-up (dBm)	
5.8G	802.11a 6Mbps	20	149	5745	11.98	12.0	97.08
			153	5765	11.93		
			157	5785	11.58		
			161	5805	11.95		
			165	5825	11.60		
	802.11n20 HT0	20	149	5745	Not Required	11.0	/
			153	5765			
			157	5785			
			161	5805			
	802.11ac20 VHT0	20	149	5745	Not Required	11.0	/
			153	5765			
			157	5785			
			161	5805			
	802.11n40 HT0	40	151	5755	Not Required	11.0	/
159			5795	11.0			
802.11ac40 VHT0	40	151	5755	Not Required	11.0	/	
		159	5795		10.0		
802.11ac80 VHT0	80	155	5775	Not Required	10.0	/	

Note:

- 1) As per KDB 447498 D01 sec.4.1.d at the maximum rated output power and within the tune-up tolerance range specified for the product, but not more than 2 dB lower than the maximum tune-up tolerance limit.

Bluetooth

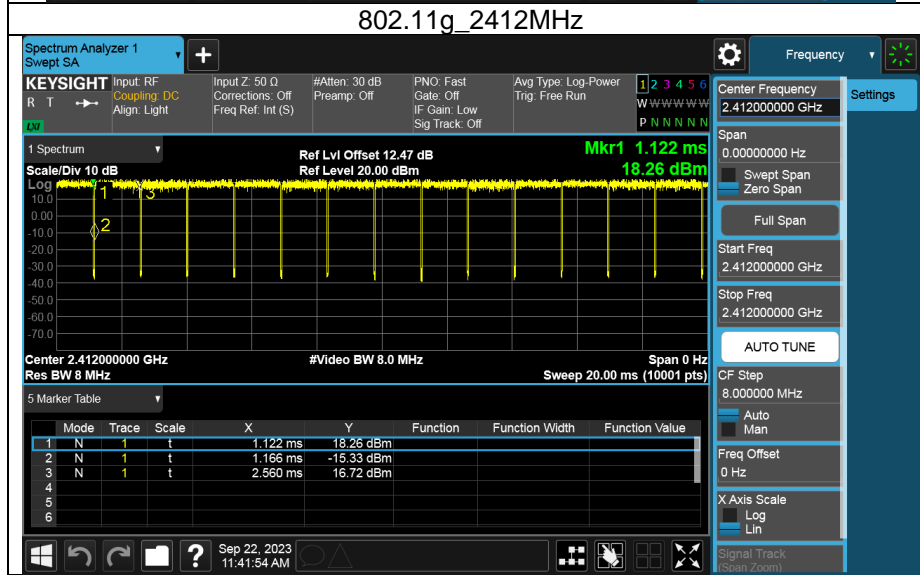
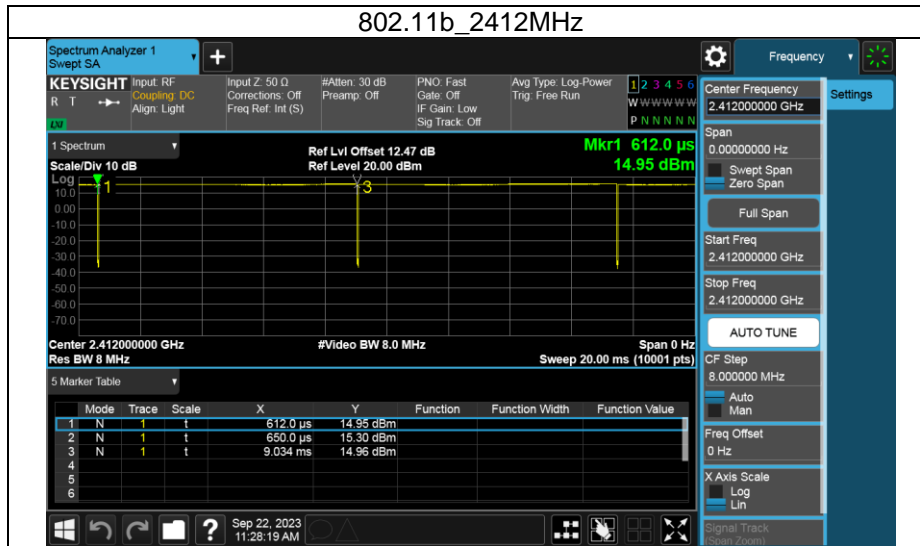
Mode	Test Mode	Ch.#	Freq. (MHz)	Ant 1		Duty Cycle (%)
				Avg. Pwr. (dBm)	Tune-up (dBm)	
BT	DH5	0	2402	11.02	11.5	77.07
		39	2441	10.98		
		78	2480	11.09		
BT	3DH5	0	2402	Not Required	9.0	/
		39	2441			
		78	2480			
BLE	1M	0	2402		-1.0	
		19	2440			
		39	2480			
BLE	2M	0	2402	-1.0		
		19	2440			
		39	2480			

Note:

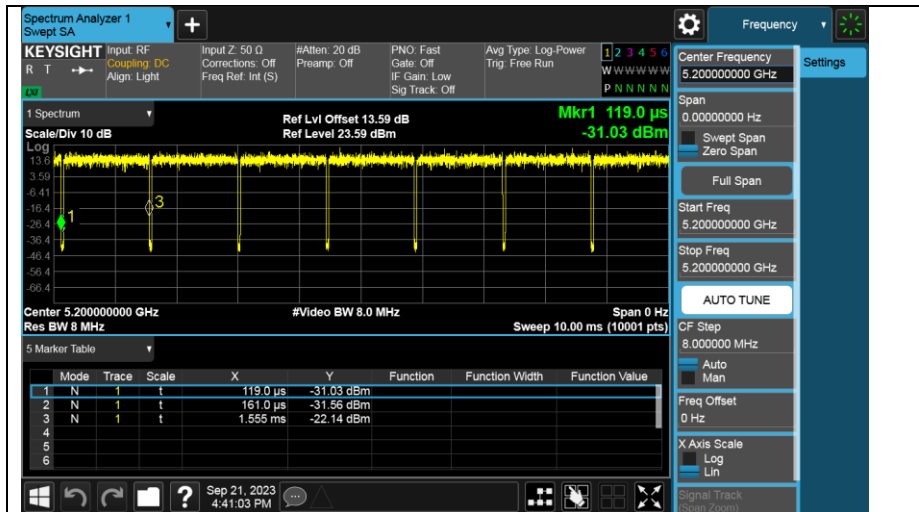
- 1) The output power of the device was set to transmit at maximum power for all tests.
- 2) The maximum output power mode BT DH5 was selected as the primary mode to test SAR for Bluetooth mode. SAR measurement is not required for the other modes, when the secondary mode is ≤ 0.25 dB higher than the primary mode.

Duty Cycle

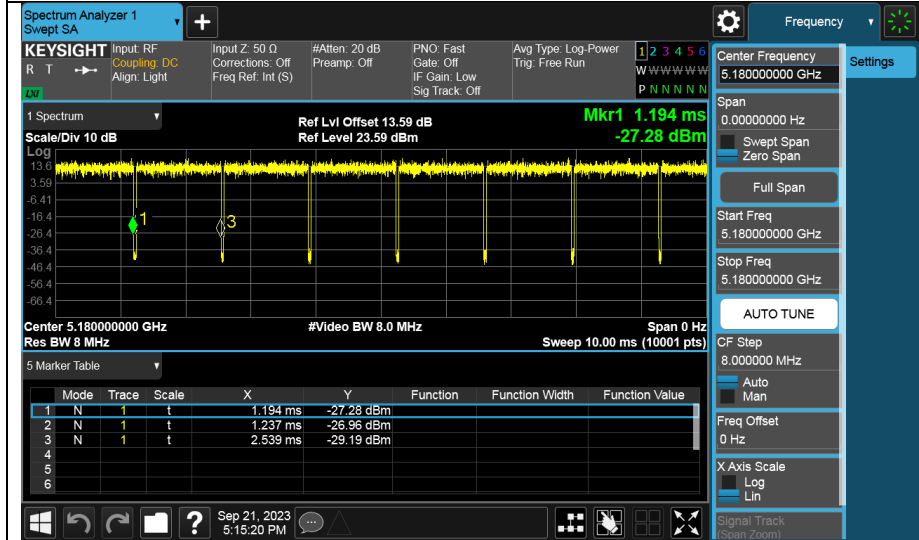
Test Mode	Duty Cycle (%)
11b	99.55
11g	96.94
11a	97.08
11n20	96.80
BT DH5	77.07



11a_5200MHz



802.11n20_5180MHz



BT DH5_2402MHz

