



REPORT No.: SZ23010190S01

Annex E Conducted Power

Note:

Conducted power unit: dBm

The target power was recorded in the manufacture document.



Band 2 (1900MHz Band) (dBm)							
Part 24E							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				18700	18900	19100	
Frequency (MHz)				1860	1880	1900	
20	16QAM	1	0	21.93	22.02	21.95	
20	16QAM	1	49	21.90	22.00	21.94	23
20	16QAM	1	99	21.91	21.98	21.96	
20	16QAM	50	0	21.07	21.15	21.05	
20	16QAM	50	24	21.06	21.13	21.12	22
20	16QAM	50	50	21.03	21.11	21.04	
20	16QAM	100	0	21.03	21.08	21.01	
Channel				18675	18900	19125	Tune-up limit (dBm)
Frequency (MHz)				1857.5	1880	1902.5	
15	16QAM	1	0	21.85	21.93	21.86	
15	16QAM	1	37	21.82	21.97	21.90	23
15	16QAM	1	74	21.88	21.93	21.88	
15	16QAM	36	0	21.06	21.08	21.02	
15	16QAM	36	20	20.98	21.04	21.11	22
15	16QAM	36	39	20.94	21.09	20.99	
15	16QAM	75	0	20.96	21.01	20.92	
Channel				18650	18900	19150	Tune-up limit (dBm)
Frequency (MHz)				1855	1880	1905	
10	16QAM	1	0	21.87	21.93	21.88	
10	16QAM	1	25	21.82	21.98	21.87	23
10	16QAM	1	49	21.88	21.93	21.95	
10	16QAM	25	0	21.05	21.13	21.01	
10	16QAM	25	12	21.01	21.09	21.05	22
10	16QAM	25	25	20.93	21.04	21.03	
10	16QAM	50	0	20.98	21.03	20.96	
Channel				18625	18900	19175	Tune-up limit (dBm)
Frequency (MHz)				1852.5	1880	1907.5	
5	16QAM	1	0	21.90	21.96	21.85	
5	16QAM	1	12	21.80	21.97	21.87	23
5	16QAM	1	24	21.87	21.90	21.94	
5	16QAM	12	0	21.05	21.06	20.97	
5	16QAM	12	7	21.01	21.12	21.02	22
5	16QAM	12	13	21.00	21.01	21.00	
5	16QAM	25	0	20.95	21.00	20.93	
Channel				18615	18900	19185	Tune-up limit (dBm)
Frequency (MHz)				1851.5	1880	1908.5	
3	16QAM	1	0	21.92	21.93	21.85	
3	16QAM	1	8	21.80	21.96	21.89	23
3	16QAM	1	14	21.83	21.89	21.94	
3	16QAM	8	0	21.05	21.13	21.01	
3	16QAM	8	4	21.04	21.09	21.03	22
3	16QAM	8	7	21.01	21.02	21.00	
3	16QAM	15	0	20.95	21.00	20.99	
Channel				18607	18900	19193	Tune-up limit (dBm)
Frequency (MHz)				1850.7	1880	1909.3	
1.4	16QAM	1	0	21.92	21.93	21.90	
1.4	16QAM	1	3	21.83	21.90	21.85	23
1.4	16QAM	1	5	21.86	21.94	21.92	
1.4	16QAM	3	0	21.85	21.89	21.82	
1.4	16QAM	3	1	21.87	21.95	21.91	22
1.4	16QAM	3	3	21.81	21.89	21.83	
1.4	16QAM	6	0	20.95	21.04	20.96	

Band 4 (AWS Band) (dBm)							
Part 27L (only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				20050	20175	20300	
Frequency (MHz)				1720	1732.5	1745	
20	16QAM	1	0	21.86	21.92	21.89	
20	16QAM	1	49	21.83	21.90	21.87	23
20	16QAM	1	99	21.81	21.88	21.84	
20	16QAM	50	0	21.32	21.38	21.31	
20	16QAM	50	24	21.28	21.35	21.25	22
20	16QAM	50	50	21.24	21.31	21.26	
20	16QAM	100	0	21.26	21.33	21.28	
Channel				20025	20175	20325	Tune-up limit (dBm)
Frequency (MHz)				1717.5	1732.5	1747.5	
15	16QAM	1	0	21.83	21.84	21.84	
15	16QAM	1	37	21.74	21.80	21.81	23
15	16QAM	1	74	21.73	21.83	21.76	
15	16QAM	36	0	21.25	21.31	21.25	
15	16QAM	36	20	21.24	21.31	21.20	22
15	16QAM	36	39	21.21	21.28	21.17	
15	16QAM	75	0	21.25	21.25	21.21	
Channel				20000	20175	20350	Tune-up limit (dBm)
Frequency (MHz)				1715	1732.5	1750	
10	16QAM	1	0	21.80	21.90	21.86	
10	16QAM	1	25	21.82	21.85	21.77	23
10	16QAM	1	49	21.76	21.86	21.81	
10	16QAM	25	0	21.31	21.36	21.23	
10	16QAM	25	12	21.20	21.29	21.20	22
10	16QAM	25	25	21.17	21.26	21.21	
10	16QAM	50	0	21.19	21.29	21.19	
Channel				19975	20175	20375	Tune-up limit (dBm)
Frequency (MHz)				1712.5	1732.5	1752.5	
5	16QAM	1	0	21.80	21.91	21.83	
5	16QAM	1	12	21.76	21.83	21.83	23
5	16QAM	1	24	21.72	21.79	21.83	
5	16QAM	12	0	21.23	21.34	21.28	
5	16QAM	12	7	21.26	21.31	21.18	22
5	16QAM	12	13	21.18	21.22	21.16	
5	16QAM	25	0	21.25	21.28	21.19	
Channel				19965	20175	20385	Tune-up limit (dBm)
Frequency (MHz)				1711.5	1732.5	1753.5	
3	16QAM	1	0	21.79	21.83	21.84	
3	16QAM	1	8	21.79	21.81	21.82	23
3	16QAM	1	14	21.73	21.84	21.79	
3	16QAM	8	0	21.22	21.29	21.24	
3	16QAM	8	4	21.27	21.25	21.21	22
3	16QAM	8	7	21.16	21.28	21.23	
3	16QAM	15	0	21.16	21.31	21.26	
Channel				19957	20175	20393	Tune-up limit (dBm)
Frequency (MHz)				1710.7	1732.5	1754.3	
1.4	16QAM	1	0	21.80	21.87	21.83	
1.4	16QAM	1	3	21.76	21.80	21.83	23
1.4	16QAM	1	5	21.74	21.84	21.82	
1.4	16QAM	3	0	21.77	21.82	21.72	
1.4	16QAM	3	1	21.70	21.84	21.74	22
1.4	16QAM	3	3	21.68	21.72	21.75	
1.4	16QAM	6	0	21.22	21.23	21.20	



Band 12 (700MHz Low Band) (dBm) Part 27F(only on channel required)							
BW [MHz]	Modulation	RB Size	RB Offset	Low Channel	Middle Channel	High Channel	Tune-up limit (dBm)
Channel				23090	23095	23130	
Frequency (MHz)				704	707.5	711	
10	16QAM	1	0	21.92	21.97	21.95	
10	16QAM	1	25	21.88	21.95	21.85	23
10	16QAM	1	49	21.85	21.92	21.83	
10	16QAM	25	0	21.31	21.36	21.30	
10	16QAM	25	12	21.26	21.33	21.24	22
10	16QAM	25	25	21.31	21.34	21.24	
10	16QAM	50	0	21.32	21.33	21.30	
Channel				23035	23095	23155	Tune-up limit (dBm)
Frequency (MHz)				701.5	707.5	713.5	
5	16QAM	1	0	21.86	21.92	21.89	
5	16QAM	1	12	21.81	21.94	21.81	23
5	16QAM	1	24	21.83	21.83	21.73	
5	16QAM	12	0	21.30	21.29	21.21	
5	16QAM	12	7	21.19	21.30	21.15	22
5	16QAM	12	13	21.24	21.24	21.20	
5	16QAM	25	0	21.30	21.26	21.22	
Channel				23025	23095	23165	Tune-up limit (dBm)
Frequency (MHz)				700.5	707.5	714.5	
3	16QAM	1	0	21.87	21.91	21.85	
3	16QAM	1	8	21.79	21.85	21.77	23
3	16QAM	1	14	21.76	21.88	21.79	
3	16QAM	8	0	21.22	21.35	21.24	
3	16QAM	8	4	21.25	21.32	21.15	22
3	16QAM	8	7	21.30	21.32	21.21	
3	16QAM	15	0	21.27	21.26	21.24	
Channel				23017	23095	23173	Tune-up limit (dBm)
Frequency (MHz)				699.7	707.5	715.3	
1.4	16QAM	1	0	21.90	21.90	21.86	
1.4	16QAM	1	3	21.82	21.91	21.78	23
1.4	16QAM	1	5	21.75	21.90	21.74	
1.4	16QAM	3	0	21.75	21.78	21.78	
1.4	16QAM	3	1	21.68	21.77	21.66	22
1.4	16QAM	3	3	21.77	21.76	21.73	
1.4	16QAM	6	0	21.29	21.25	21.23	

**2.4GHz WLAN ANT 1**

2.4GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11b 1Mbps	CH 1	2412	16.90	18.00	16.00	97.86
		CH 6	2437	16.87	18.00	16.00	
		CH 11	2462	16.78	18.00	16.00	
	802.11g 6Mbps	CH 1	2412	13.18	14.00	13.00	87.82
		CH 6	2437	13.35	14.00	13.00	
		CH 11	2462	13.21	14.00	13.00	
	802.11n-HT20 MCS0	CH 1	2412	11.20	12.00	11.00	87.07
		CH 6	2437	11.49	12.50	11.00	
		CH 11	2462	11.25	12.00	11.00	

5GHz WLAN ANT 1

5.2GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 36	5180	14.45	15.50	15.00	87.18
		CH 44	5220	14.97	16.00	15.00	
		CH 48	5240	15.01	16.00	15.00	
	802.11n-HT20 MCS0	CH 36	5180	13.18	14.00	14.00	86.49
		CH 44	5220	13.73	14.50	14.00	
		CH 48	5240	13.65	14.50	14.00	
	802.11n-HT40 MCS0	CH 36	5190	10.72	11.50	14.00	77.11
		CH 46	5230	11.27	12.50	14.00	

5GHz WLAN ANT 1

5.8GHz WLAN ANT 1	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Power Setting	Duty Cycle %
	802.11a 6Mbps	CH 149	5745	14.02	15.00	15.00	88.46
		CH 157	5785	13.79	15.00	15.00	
		CH 165	5825	14.25	15.00	15.00	
	802.11n-HT20 MCS0	CH 149	5745	12.96	14.00	14.00	86.39
		CH 157	5785	12.31	13.00	14.00	
		CH 165	5825	13.36	14.50	14.00	
	802.11n-HT40 MCS0	CH 151	5755	10.27	11.50	14.00	77.11
		CH 159	5795	10.44	11.50	14.00	

Mode	Channel	Frequency (MHz)	Average power (dBm)		
			1Mbps	2Mbps	3Mbps
BR / EDR	CH 00	2402	6.95	4.66	4.47
	CH 39	2441	6.34	4.07	4.11
	CH 78	2480	6.41	3.84	4
Tune-up Limit			7.5	5.5	6
Duty Cycle %			77.04	77.07	77.12

Mode	Channel	Frequency (MHz)	Average power (dBm)	
			GFSK	
LE	CH 00	2402	1.54	
	CH 19	2440	1.07	
	CH 39	2480	1.00	
Tune-up Limit			2	
Duty Cycle %			63.2	