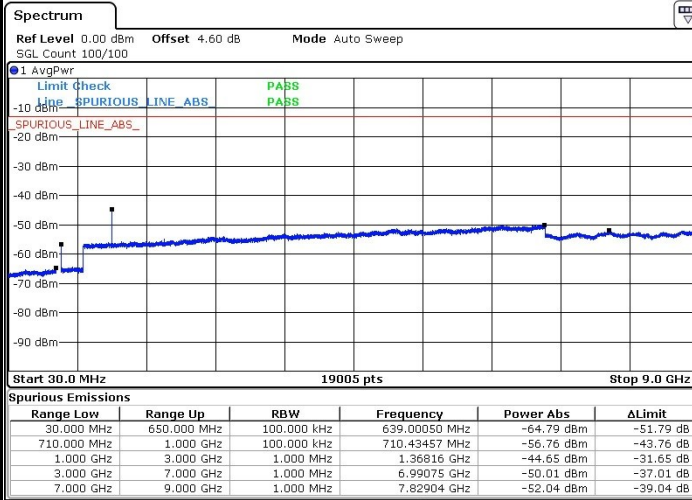




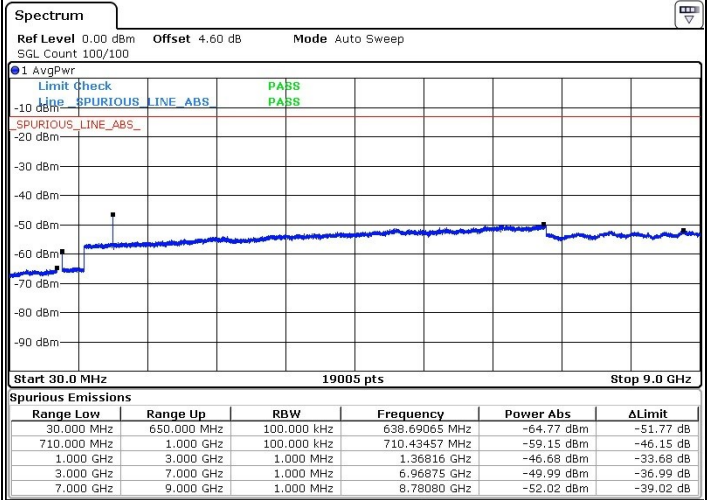
LTE Band71 / 15MHz

Highest Channel / QPSK



Date: 9 DEC.2019 10:37:08

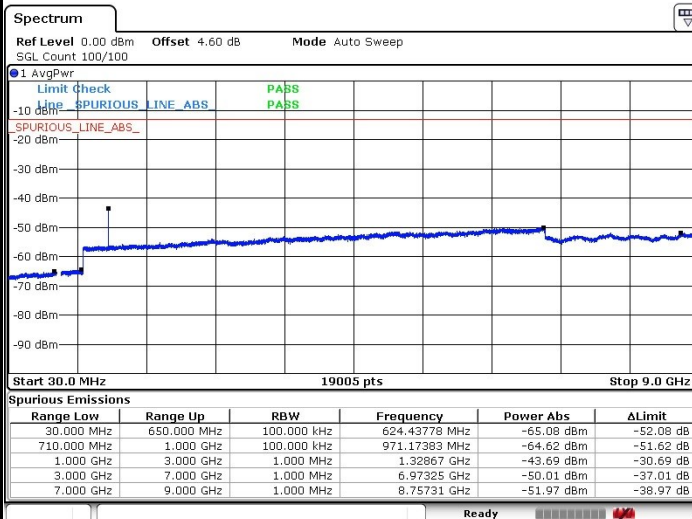
Highest Channel / 16QAM



Date: 9 DEC.2019 10:36:41

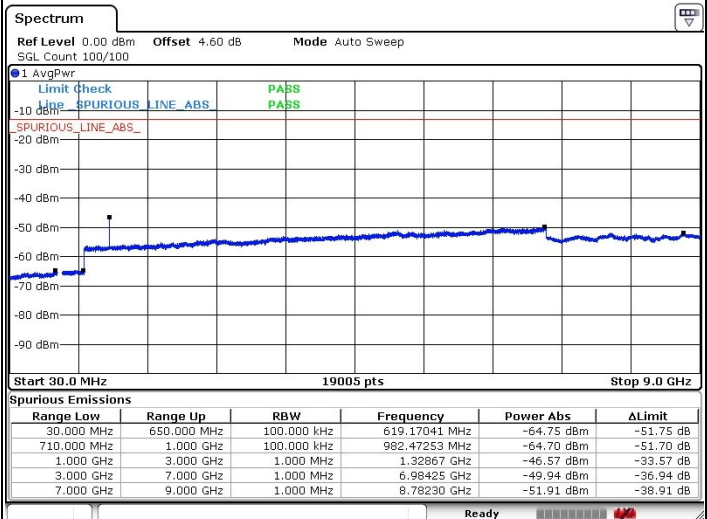
LTE Band 71 / 20MHz

Lowest Channel / QPSK



Date: 9 DEC.2019 10:16:39

Lowest Channel / 16QAM

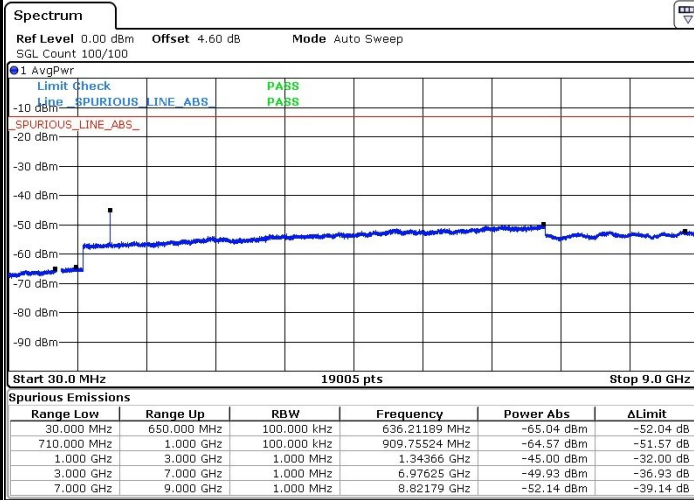


Date: 9 DEC.2019 10:16:10



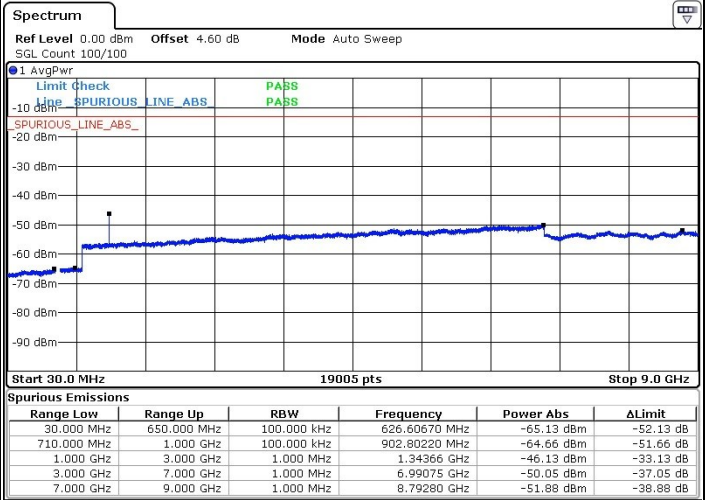
LTE Band 71 / 20MHz

Middle Channel / QPSK



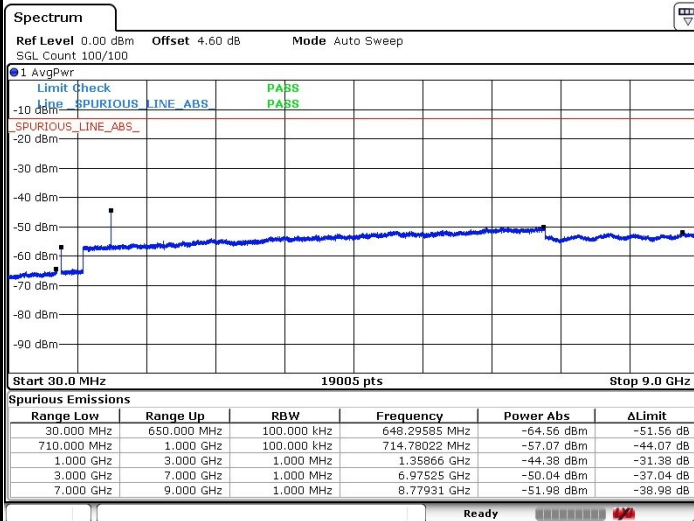
Date: 9 DEC.2019 10:17:10

Middle Channel / 16QAM



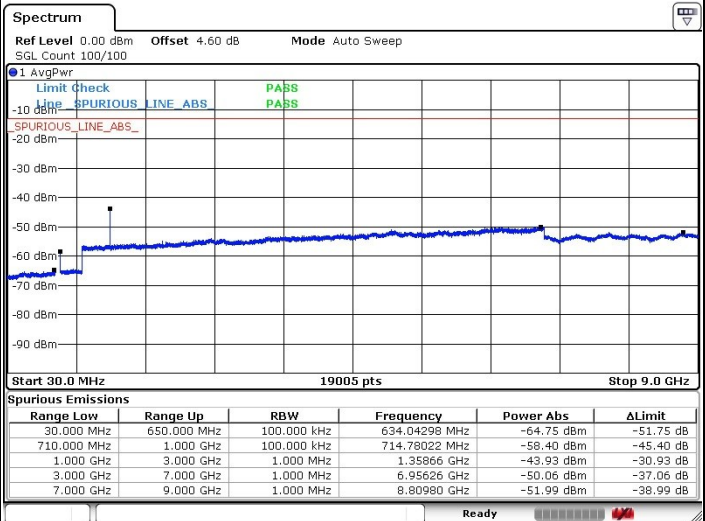
Date: 9 DEC.2019 10:17:40

Highest Channel / QPSK



Date: 9 DEC.2019 10:14:53

Highest Channel / 16QAM



Date: 9 DEC.2019 10:41:00

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0030	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0041	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.7 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

ERP/EIRP

LTE Band 2 (GT - LC = 1.50 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	23.21	23.25	23.19	22.94	23.23	23.19	23.12	23.20	23.08
Conducted Power (Watts)	0.2094	0.2113	0.2084	0.1968	0.2104	0.2084	0.2051	0.2089	0.2032
EIRP(dBm)	24.71	24.75	24.69	24.44	24.73	24.69	24.62	24.70	24.58
EIRP(Watts)	0.2958	0.2985	0.2944	0.2780	0.2972	0.2944	0.2897	0.2951	0.2871

LTE Band 2 (GT - LC = 1.50 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	23.25	23.21	23.11	22.71	23.18	22.83	23.03	23.33	22.94
Conducted Power (Watts)	0.2113	0.2094	0.2046	0.1866	0.2080	0.1919	0.2009	0.2153	0.1968
EIRP(dBm)	24.75	24.71	24.61	24.21	24.68	24.33	24.53	24.83	24.44
EIRP(Watts)	0.2985	0.2958	0.2891	0.2636	0.2938	0.2710	0.2838	0.3041	0.2780



LTE Band 2 (GT - LC = 1.50 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	18607	18900	19193	18615	18900	19185	18625	18900	19175
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1909.3	1851.5	1880	1908.5	1852.5	1880	1907.5
(MHz)									
Conducted Power (dBm)	21.85	22.31	21.90	22.06	22.21	21.99	21.64	21.80	21.65
Conducted Power (Watts)	0.1531	0.1702	0.1549	0.1607	0.1663	0.1581	0.1459	0.1514	0.1462
EIRP(dBm)	23.35	23.81	23.40	23.56	23.71	23.49	23.14	23.30	23.15
EIRP(Watts)	0.2163	0.2404	0.2188	0.2270	0.2350	0.2234	0.2061	0.2138	0.2065

LTE Band 2 (GT - LC = 1.50 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	18650	18900	19150	18675	18900	19125	18650	18900	19100
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1905	1857.5	1880	1902.5	1860	1880	1900
(MHz)									
Conducted Power (dBm)	21.70	21.97	21.63	21.79	21.97	21.65	21.79	22.01	21.63
Conducted Power (Watts)	0.1479	0.1574	0.1455	0.1510	0.1574	0.1462	0.1510	0.1589	0.1455
EIRP(dBm)	23.20	23.47	23.13	23.29	23.47	23.15	23.29	23.51	23.13
EIRP(Watts)	0.2089	0.2223	0.2056	0.2133	0.2223	0.2065	0.2133	0.2244	0.2056



LTE Band 4 (GT - LC = 1.20 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	23.02	23.02	23.13	22.79	23.09	23.13	22.81	23.12	23.15
Conducted Power (Watts)	0.2004	0.2004	0.2056	0.1901	0.2037	0.2056	0.1910	0.2051	0.2065
EIRP(dBm)	24.22	24.22	24.33	23.99	24.29	24.33	24.01	24.32	24.35
EIRP(Watts)	0.2642	0.2642	0.2710	0.2506	0.2685	0.2710	0.2518	0.2704	0.2723

LTE Band 4 (GT - LC = 1.20 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	22.79	23.09	23.13	23.10	23.01	23.13	23.02	23.16	22.95
Conducted Power (Watts)	0.1901	0.2037	0.2056	0.2042	0.2000	0.2056	0.2004	0.2070	0.1972
EIRP(dBm)	23.99	24.29	24.33	24.30	24.21	24.33	24.22	24.36	24.15
EIRP(Watts)	0.2506	0.2685	0.2710	0.2692	0.2636	0.2710	0.2642	0.2729	0.2600



LTE Band 4 (GT - LC = 1.20 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	19957	20175	20393	19965	20175	20385	19975	20175	20375
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1732.5	1754.3	1711.5	1732.5	1753.5	1712.5	1732.5	1752.5
(MHz)									
Conducted Power (dBm)	21.89	22.34	21.93	21.85	21.72	22.04	21.87	21.74	22.06
Conducted Power (Watts)	0.1545	0.1714	0.1560	0.1531	0.1486	0.1600	0.1538	0.1493	0.1607
EIRP(dBm)	23.09	23.54	23.13	23.05	22.92	23.24	23.07	22.94	23.26
EIRP(Watts)	0.2037	0.2259	0.2056	0.2018	0.1959	0.2109	0.2028	0.1968	0.2118

LTE Band 4 (GT - LC = 1.20 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	20000	20175	20350	20025	20175	20325	20050	20175	20300
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1715	1732.5	1750	1717.5	1732.5	1747.5	1720	1732.5	1745
(MHz)									
Conducted Power (dBm)	21.85	21.72	22.04	21.75	21.88	21.90	21.88	21.82	21.91
Conducted Power (Watts)	0.1531	0.1486	0.1600	0.1496	0.1542	0.1549	0.1542	0.1521	0.1552
EIRP(dBm)	23.05	22.92	23.24	22.95	23.08	23.10	23.08	23.02	23.11
EIRP(Watts)	0.2018	0.1959	0.2109	0.1972	0.2032	0.2042	0.2032	0.2004	0.2046



LTE Band 5 (GT - LC = -0.50 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	23.20	23.26	22.99	23.14	23.21	23.16	23.21	23.10	23.06
Conducted Power (Watts)	0.2089	0.2118	0.1991	0.2061	0.2094	0.2070	0.2094	0.2042	0.2023
ERP(dBm)	20.55	20.61	20.34	20.49	20.56	20.51	20.56	20.45	20.41
ERP(Watts)	0.1135	0.1151	0.1081	0.1119	0.1138	0.1125	0.1138	0.1109	0.1099

LTE Band 5 (GT - LC = -0.50 dB) QPSK			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	22.83	23.29	22.95
Conducted Power (Watts)	0.1919	0.2133	0.1972
ERP(dBm)	20.18	20.64	20.30
ERP(Watts)	0.1042	0.1159	0.1072



LTE Band 5 (GT - LC = -0.50 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	20407	20525	20643	20415	20525	20635	20425	20525	20625
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	21.87	22.36	21.91	21.79	21.91	21.93	21.93	21.90	21.71
Conducted Power (Watts)	0.1538	0.1722	0.1552	0.1510	0.1552	0.1560	0.1560	0.1549	0.1483
ERP(dBm)	19.22	19.71	19.26	19.14	19.26	19.28	19.28	19.25	19.06
ERP(Watts)	0.0836	0.0935	0.0843	0.0820	0.0843	0.0847	0.0847	0.0841	0.0805

LTE Band 5 (GT - LC = -0.50 dB) 16QAM			
Bandwidth	10M		
Channel	20450	20525	20600
	(Low)	(Mid)	(High)
Frequency	829	836.5	844
(MHz)			
Conducted Power (dBm)	22.03	21.88	21.97
Conducted Power (Watts)	0.1596	0.1542	0.1574
ERP(dBm)	19.38	19.23	19.32
ERP(Watts)	0.0867	0.0838	0.0855



LTE Band 12 (GT - LC = -1.00 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency (MHz)	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
Conducted Power (dBm)	22.92	22.96	23.05	22.78	22.91	22.84	22.82	22.84	23.16
Conducted Power (Watts)	0.1959	0.1977	0.2018	0.1897	0.1954	0.1923	0.1914	0.1923	0.2070
ERP(dBm)	19.77	19.81	19.90	19.63	19.76	19.69	19.67	19.69	20.01
ERP(Watts)	0.0948	0.0957	0.0977	0.0918	0.0946	0.0931	0.0927	0.0931	0.1002

LTE Band 12 (GT - LC = -1.00 dB) QPSK			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency (MHz)	704	707.5	711
Conducted Power (dBm)	22.89	23.21	22.82
Conducted Power (Watts)	0.1945	0.2094	0.1914
ERP(dBm)	19.74	20.06	19.67
ERP(Watts)	0.0942	0.1014	0.0927



LTE Band 12 (GT - LC = -1.00 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	23017	23095	23173	23025	23095	23165	23035	23095	23155
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	699.7	707.5	715.3	700.5	707.5	714.5	701.5	707.5	713.5
(MHz)									
Conducted Power (dBm)	22.04	22.20	21.85	21.74	21.71	21.83	21.91	21.85	21.76
Conducted Power (Watts)	0.1600	0.1660	0.1531	0.1493	0.1483	0.1524	0.1552	0.1531	0.1500
ERP(dBm)	18.89	19.05	18.70	18.59	18.56	18.68	18.76	18.70	18.61
ERP(Watts)	0.0774	0.0804	0.0741	0.0723	0.0718	0.0738	0.0752	0.0741	0.0726

LTE Band 12 (GT - LC = -1.00 dB) 16QAM			
Bandwidth	10M		
Channel	23060	23095	23130
	(Low)	(Mid)	(High)
Frequency	704	707.5	711
(MHz)			
Conducted Power (dBm)	21.76	21.91	21.93
Conducted Power (Watts)	0.1500	0.1552	0.1560
ERP(dBm)	18.61	18.76	18.78
ERP(Watts)	0.0726	0.0752	0.0755



LTE Band 13 (GT - LC = -1.00 dB) QPSK						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	22.95	23.06	22.90		23.34	-
Conducted Power (Watts)	0.1972	0.2023	0.1950		0.2158	-
ERP(dBm)	19.80	19.91	19.75		20.19	-
ERP(Watts)	0.0955	0.0979	0.0944		0.1045	-

LTE Band 13 (GT - LC = -1.00 dB) 16QAM						
Bandwidth	5M			10M		
Channel	23205	23230	23255	23230		
	(Low)	(Mid)	(High)	-	(Mid)	-
Frequency	779.5	782	784.5	-	782	-
(MHz)						
Conducted Power (dBm)	21.80	21.61	22.01		22.06	-
Conducted Power (Watts)	0.1514	0.1449	0.1589		0.1607	-
ERP(dBm)	18.65	18.46	18.86		18.91	-
ERP(Watts)	0.0733	0.0701	0.0769		0.0778	-



LTE Band 25 (GT - LC = 1.50 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	23.09	23.23	23.20	23.13	23.08	22.91	23.18	23.13	22.96
Conducted Power (Watts)	0.2037	0.2104	0.2089	0.2056	0.2032	0.1954	0.2080	0.2056	0.1977
EIRP(dBm)	24.59	24.73	24.70	24.63	24.58	24.41	24.68	24.63	24.46
EIRP(Watts)	0.2877	0.2972	0.2951	0.2904	0.2871	0.2761	0.2938	0.2904	0.2793

LTE Band 25 (GT - LC = 1.50 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	23.21	23.16	22.99	23.16	23.02	23.04	23.20	23.34	22.98
Conducted Power (Watts)	0.2094	0.2070	0.1991	0.2070	0.2004	0.2014	0.2089	0.2158	0.1986
EIRP(dBm)	24.71	24.66	24.49	24.66	24.52	24.54	24.70	24.84	24.48
EIRP(Watts)	0.2958	0.2924	0.2812	0.2924	0.2831	0.2844	0.2951	0.3048	0.2805



LTE Band 25 (GT - LC = 1.50 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26407	26340	26683	26055	26340	26675	26065	26340	26665
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1850.7	1880	1914.3	1851.5	1880	1913.5	1852.5	1880	1912.5
(MHz)									
Conducted Power (dBm)	21.98	22.14	21.92	21.47	21.48	21.92	21.80	21.91	21.78
Conducted Power (Watts)	0.1578	0.1637	0.1556	0.1403	0.1406	0.1556	0.1514	0.1552	0.1507
EIRP(dBm)	23.48	23.64	23.42	22.97	22.98	23.42	23.30	23.41	23.28
EIRP(Watts)	0.2228	0.2312	0.2198	0.1982	0.1986	0.2198	0.2138	0.2193	0.2128

LTE Band 25 (GT - LC = 1.50 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	26090	26340	26640	26115	26340	26615	26140	26340	26590
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1855	1880	1910	1857.5	1880	1907.5	1860	1880	1905
(MHz)									
Conducted Power (dBm)	21.89	21.94	21.87	21.94	22.04	21.68	21.41	21.55	21.62
Conducted Power (Watts)	0.1545	0.1563	0.1538	0.1563	0.1600	0.1472	0.1384	0.1429	0.1452
EIRP(dBm)	23.39	23.44	23.37	23.44	23.54	23.18	22.91	23.05	23.12
EIRP(Watts)	0.2183	0.2208	0.2173	0.2208	0.2259	0.2080	0.1954	0.2018	0.2051



LTE Band 26 (GT - LC = -0.50 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	23.03	22.96	22.91	22.96	22.97	22.85	22.96	22.97	22.85
Conducted Power (Watts)	0.2009	0.1977	0.1954	0.1977	0.1982	0.1928	0.1977	0.1982	0.1928
ERP(dBm)	20.38	20.31	20.26	20.31	20.32	20.20	20.31	20.32	20.20
ERP(Watts)	0.1091	0.1074	0.1062	0.1074	0.1076	0.1047	0.1074	0.1076	0.1047

LTE Band 26 (GT - LC = -3.00 dB) QPSK							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	23.18	23.34	23.17	23.11	23.45	22.99	23.21
Conducted Power (Watts)	0.2080	0.2158	0.2075	0.2046	0.2213	0.1991	0.2094
ERP(dBm)	20.53	20.69	20.52	20.46	20.80	20.34	20.56
ERP(Watts)	0.1130	0.1172	0.1127	0.1112	0.1202	0.1081	0.1138



LTE Band 26 (GT - LC = -0.50 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	26797	26915	27033	26805	26915	27025	26815	26915	27015
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	824.7	836.5	848.3	825.5	836.5	847.5	826.5	836.5	846.5
(MHz)									
Conducted Power (dBm)	22.03	22.24	21.97	22.21	21.94	21.86	22.21	21.94	21.86
Conducted Power (Watts)	0.1596	0.1675	0.1574	0.1663	0.1563	0.1535	0.1663	0.1563	0.1535
ERP(dBm)	19.38	19.59	19.32	19.56	19.29	19.21	19.56	19.29	19.21
ERP(Watts)	0.0867	0.0910	0.0855	0.0904	0.0849	0.0834	0.0904	0.0849	0.0834

LTE Band 26 (GT - LC = -3.00 dB) 16QAM							
Bandwidth	10M			15M			15M
Channel	26840	26915	26990	26865	26915	26965	26765
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)
Frequency	829	836.5	844	831.5	836.5	841.5	821.5
(MHz)							
Conducted Power (dBm)	21.76	22.02	21.79	21.68	21.87	21.85	21.75
Conducted Power (Watts)	0.1500	0.1592	0.1510	0.1472	0.1538	0.1531	0.1496
ERP(dBm)	19.11	19.37	19.14	19.03	19.22	19.20	19.10
ERP(Watts)	0.0815	0.0865	0.0820	0.0800	0.0836	0.0832	0.0813

LTE Band 41 ($G_T - L_C = 2.50\text{dB}$) QPSK									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	22.81	22.91	22.98	22.54	22.82	22.89	22.80	23.00	23.00
Conducted Power (Watts)	0.1910	0.1954	0.1986	0.1795	0.1914	0.1945	0.1905	0.1995	0.1995
EIRP(dBm)	25.31	25.41	25.48	25.04	25.32	25.39	25.30	25.50	25.50
EIRP(Watts)	0.3396	0.3475	0.3532	0.3192	0.3404	0.3459	0.3388	0.3548	0.3548

LTE Band 41 ($G_T - L_C = 2.50\text{dB}$) QPSK			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	22.65	22.87	22.98
Conducted Power (Watts)	0.1841	0.1936	0.1986
EIRP(dBm)	25.15	25.37	25.48
EIRP(Watts)	0.3273	0.3443	0.3532



LTE Band 41 ($G_T - L_C = 2.50\text{dB}$) 16QAM									
Bandwidth	5M			10M			15M		
Channel	39675	40620	41565	39700	40620	41540	39725	40620	41515
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	2498.5	2593	2687.5	2501	2593	2685	2503.5	2593	2682.5
(MHz)									
Conducted Power (dBm)	21.59	21.73	21.83	21.53	21.82	21.81	21.56	21.45	21.80
Conducted Power (Watts)	0.1442	0.1489	0.1524	0.1422	0.1521	0.1517	0.1432	0.1396	0.1514
EIRP(dBm)	24.09	24.23	24.33	24.03	24.32	24.31	24.06	23.95	24.30
EIRP(Watts)	0.2564	0.2649	0.2710	0.2529	0.2704	0.2698	0.2547	0.2483	0.2692

LTE Band 41 ($G_T - L_C = 2.50\text{dB}$) 16QAM			
Bandwidth	20M		
Channel	39750	40620	41490
	(Low)	(Mid)	(High)
Frequency	2506	2593	2680
(MHz)			
Conducted Power (dBm)	21.44	21.81	21.75
Conducted Power (Watts)	0.1393	0.1517	0.1496
EIRP(dBm)	23.94	24.31	24.25
EIRP(Watts)	0.2477	0.2698	0.2661



LTE Band 66 (GT - LC = 1.20 dB) QPSK									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	23.01	23.06	23.06	22.86	22.78	23.02	22.95	23.04	23.06
Conducted Power (Watts)	0.2000	0.2023	0.2023	0.1932	0.1897	0.2004	0.1972	0.2014	0.2023
EIRP(dBm)	24.21	24.26	24.26	24.06	23.98	24.22	24.15	24.24	24.26
EIRP(Watts)	0.2636	0.2667	0.2667	0.2547	0.2500	0.2642	0.2600	0.2655	0.2667

LTE Band 66 (GT - LC = 1.20 dB) QPSK									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	22.97	23.08	22.98	22.99	22.64	22.68	22.86	23.20	22.73
Conducted Power (Watts)	0.1982	0.2032	0.1986	0.1991	0.1837	0.1854	0.1932	0.2089	0.1875
EIRP(dBm)	24.17	24.28	24.18	24.19	23.84	23.88	24.06	24.40	23.93
EIRP(Watts)	0.2612	0.2679	0.2618	0.2624	0.2421	0.2443	0.2547	0.2754	0.2472



LTE Band 66 (GT - LC = 1.20 dB) 16QAM									
Bandwidth	1.4M			3M			5M		
Channel	131979	132322	132665	131987	132322	132657	131997	132322	132647
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	1710.7	1745	1779.3	1711.5	1745	1778.5	1712.5	1745	1777.5
(MHz)									
Conducted Power (dBm)	21.76	22.22	21.80	21.31	21.62	21.75	21.49	21.87	21.53
Conducted Power (Watts)	0.1500	0.1667	0.1514	0.1352	0.1452	0.1496	0.1409	0.1538	0.1422
EIRP(dBm)	22.96	23.42	23.00	22.51	22.82	22.95	22.69	23.07	22.73
EIRP(Watts)	0.1977	0.2198	0.1995	0.1782	0.1914	0.1972	0.1858	0.2028	0.1875

LTE Band 66 (GT - LC = 1.20 dB) 16QAM									
Bandwidth	10M			15M			20M		
Channel	132022	132322	132622	132047	132322	132597	132072	132322	132572
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(Mid)
Frequency	1715	1745	1775	1717.5	1745	1772.5	1720	1745	1770
(MHz)									
Conducted Power (dBm)	21.48	21.80	21.43	21.51	21.77	21.40	21.39	21.85	21.57
Conducted Power (Watts)	0.1406	0.1514	0.1390	0.1416	0.1503	0.1380	0.1377	0.1531	0.1435
EIRP(dBm)	22.68	23.00	22.63	22.71	22.97	22.60	22.59	23.05	22.77
EIRP(Watts)	0.1854	0.1995	0.1832	0.1866	0.1982	0.1820	0.1816	0.2018	0.1892

LTE Band 71 (GT - LC = -2.00 dB) QPSK									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	23.01	23.04	22.85	22.62	22.97	23.03	23.03	23.11	22.87
Conducted Power (Watts)	0.2000	0.2014	0.1928	0.1828	0.1982	0.2009	0.2009	0.2046	0.1936
ERP(dBm)	18.86	18.89	18.70	18.47	18.82	18.88	18.88	18.96	18.72
ERP(Watts)	0.0769	0.0774	0.0741	0.0703	0.0762	0.0773	0.0773	0.0787	0.0745

LTE Band 71 (GT - LC = -2.00 dB) QPSK			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	22.86	23.12	22.62
Conducted Power (Watts)	0.1932	0.2051	0.1828
ERP(dBm)	18.71	18.97	18.47
ERP(Watts)	0.0743	0.0789	0.0703



LTE Band 71 (GT - LC = -2.00 dB) 16QAM									
Bandwidth	5M			10M			15M		
Channel	133147	133297	133447	133172	133297	133422	133197	133297	133397
	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)	(Low)	(Mid)	(High)
Frequency	665.5	680.5	695.5	668	680.5	693	670.5	680.5	690.5
(MHz)									
Conducted Power (dBm)	21.60	21.89	21.72	21.41	21.80	21.70	21.84	21.98	21.65
Conducted Power (Watts)	0.1445	0.1545	0.1486	0.1384	0.1514	0.1479	0.1528	0.1578	0.1462
ERP(dBm)	17.45	17.74	17.57	17.26	17.65	17.55	17.69	17.83	17.50
ERP(Watts)	0.0556	0.0594	0.0571	0.0532	0.0582	0.0569	0.0587	0.0607	0.0562

LTE Band 71 (GT - LC = -2.00 dB) 16QAM			
Bandwidth	20M		
Channel	133222	133297	133372
	(Low)	(Mid)	(High)
Frequency	673	680.5	688
(MHz)			
Conducted Power (dBm)	21.50	21.65	21.67
Conducted Power (Watts)	0.1413	0.1462	0.1469
ERP(dBm)	17.35	17.50	17.52
ERP(Watts)	0.0543	0.0562	0.0565

Radiated Spurious Emission

LTE Band 12 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-63.53	-13	-50.53	-70.50	1.58	10.70	H
	2110	-54.39	-13	-41.39	-62.64	2.102	12.50	H
	2812	-63.00	-13	-50.00	-71.89	2.856	13.90	H
	3516	-62.48	-13	-49.48	-70.94	2.689	13.30	H
	1406	-64.83	-13	-51.83	-71.80	1.58	10.70	V
	2110	-51.49	-13	-38.49	-59.74	2.10	12.50	V
	2812	-63.16	-13	-50.16	-72.05	2.86	13.90	V
	3516	-62.69	-13	-49.69	-71.15	2.69	13.30	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 13 / 10MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-66.91	-13	-53.91	-69.54	1.09	5.87	H
	2332	-60.32	-13	-47.32	-62.72	1.37	5.92	H
	3108	-62.60	-13	-49.60	-66.49	1.64	7.68	H
	1556	-67.31	-13	-54.31	-69.94	1.09	5.87	V
	2332	-57.77	-13	-44.77	-60.17	1.37	5.92	V
	3108	-63.59	-13	-50.59	-67.48	1.64	7.68	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 25 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3741	-56.78	-13	-43.78	-69.04	2.64	14.90	H
	5613	-54.03	-13	-41.03	-65.89	2.94	14.80	H
	7488	-50.01	-13	-37.01	-59.78	3.39	13.16	H
	3741	-56.37	-13	-43.37	-68.63	2.64	14.90	V
	5613	-54.52	-13	-41.52	-66.38	2.94	14.80	V
	7488	-49.34	-13	-36.34	-59.11	3.39	13.16	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-65.45	-13	-52.45	-72.42	1.58	10.70	H
	2490	-62.07	-13	-49.07	-70.32	2.102	12.50	H
	3318	-64.21	-13	-51.21	-73.10	2.856	13.90	H
	1660	-65.77	-13	-52.77	-72.74	1.58	10.70	V
	2490	-60.71	-13	-47.71	-68.96	2.10	12.50	V
	3318	-63.69	-13	-50.69	-72.58	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 41 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-58.79	-25	-33.79	-68.89	3.54	13.64	H
	7752	-54.89	-25	-29.89	-64.32	4.10	13.52	H
	10336.36	-56.64	-25	-31.64	-66.52	4.51	14.39	H
	12920	-54.35	-25	-29.35	-61.75	5.17	12.58	H
	5168	-57.23	-25	-32.23	-67.33	3.54	13.64	V
	7752	-56.34	-25	-31.34	-65.77	4.10	13.52	V
	10340	-57.59	-25	-32.59	-67.47	4.51	14.39	V
	12920.45	-56.92	-25	-31.92	-64.32	5.17	12.58	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 66 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-59.81	-13	-46.81	-70.55	2.604	13.34	H
	5208	-53.77	-13	-40.77	-64.28	3.011	13.52	H
	6948	-51.56	-13	-38.56	-61.76	3.271	13.47	H
	3471	-58.21	-13	-45.21	-68.95	2.604	13.34	V
	5208	-55.70	-13	-42.70	-66.21	3.011	13.52	V
	6948	-51.01	-13	-38.01	-61.21	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 71 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1348	-65.69	-13	-52.69	-67.44	1.02	4.92	H
	2022	-61.28	-13	-48.28	-63.25	1.27	5.39	H
	2696	-62.68	-13	-49.68	-65.61	1.49	6.57	H
	1348	-65.30	-13	-52.30	-67.05	1.02	4.92	V
	2022	-58.10	-13	-45.10	-60.07	1.27	5.39	V
	2696	-62.63	-13	-49.63	-65.56	1.49	6.57	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.