

5.4. Equivalent Isotropically Radiated Power Measurement

5.4.1. Test Limit

Band 5/26:

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

Band 12, 13, 17

Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

Band 71

Fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

Band 2/25, 7, 38/41:

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

Band 4/66:

Fixed, mobile stations operating in the 1710-1755 MHz band and mobile in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

5.4.2. Test Procedure

ANSI C63.26-2015 - Section 5.2

5.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T$$

where

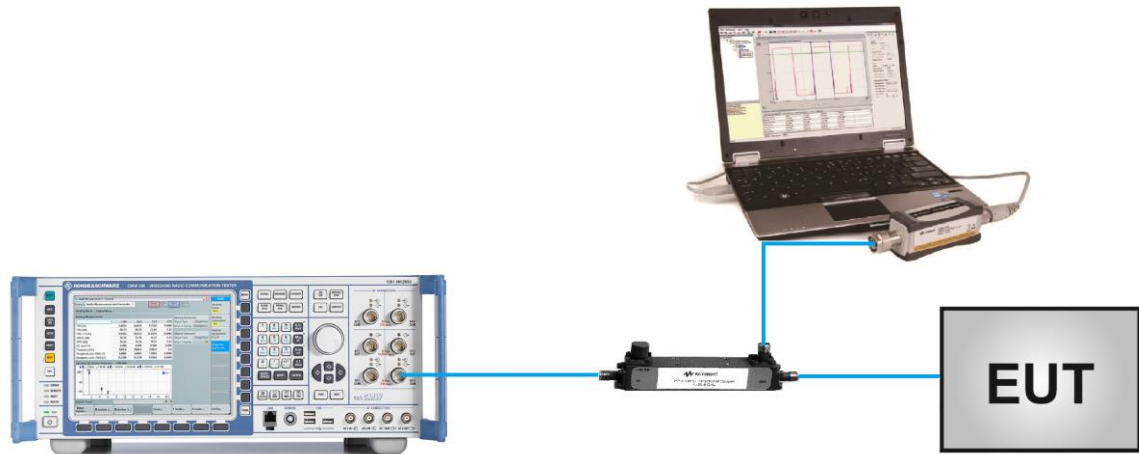
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)

P_{Meas} measured transmitter output power or PSD, in dBm or dBW

G_T gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

$\text{ERP} = \text{EIRP} - 2.15$

5.4.4. Test Setup



5.4.5. Test Result

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2021/12/21 ~ 2021/12/27
Test Band	LTE Band 2/25		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26047	1850.70	1.4	1	0	22.18	24.84	< 33.01
26365	1882.50				22.23	24.89	< 33.01
26683	1914.30				22.16	24.82	< 33.01
26047	1850.70	1.4	1	2	22.62	25.28	< 33.01
26365	1882.50				22.54	25.20	< 33.01
26683	1914.30				22.47	25.13	< 33.01
26047	1850.70	1.4	1	6	22.18	24.84	< 33.01
26365	1882.50				22.22	24.88	< 33.01
26683	1914.30				22.34	25.00	< 33.01
26047	1850.70	1.4	6	0	21.21	23.87	< 33.01
26365	1882.50				21.32	23.98	< 33.01
26683	1914.30				21.10	23.76	< 33.01
26055	1851.50	3	1	0	22.06	24.72	< 33.01
26365	1882.50				22.17	24.83	< 33.01
26675	1913.50				22.11	24.77	< 33.01
26055	1851.50	3	1	7	22.04	24.70	< 33.01
26365	1882.50				22.12	24.78	< 33.01
26675	1913.50				21.97	24.63	< 33.01
26055	1851.50	3	1	14	22.07	24.73	< 33.01
26365	1882.50				22.17	24.83	< 33.01
26675	1913.50				22.14	24.80	< 33.01
26055	1851.50	3	15	0	21.19	23.85	< 33.01
26365	1882.50				21.18	23.84	< 33.01
26675	1913.50				21.27	23.93	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26065	1852.50	5	1	0	22.13	24.79	< 33.01
26365	1882.50				22.02	24.68	< 33.01
26665	1912.50				21.61	24.27	< 33.01
26065	1852.50	5	1	12	22.07	24.73	< 33.01
26365	1882.50				22.04	24.70	< 33.01
26665	1912.50				22.01	24.67	< 33.01
26065	1852.50	5	1	24	21.73	24.39	< 33.01
26365	1882.50				22.08	24.74	< 33.01
26665	1912.50				22.02	24.68	< 33.01
26065	1852.50	5	25	0	21.02	23.68	< 33.01
26365	1882.50				21.30	23.96	< 33.01
26665	1912.50				21.17	23.83	< 33.01
16390	1855.00	10	1	0	22.32	24.98	< 33.01
26365	1882.50				22.30	24.96	< 33.01
26640	1910.00				22.18	24.84	< 33.01
16390	1855.00	10	1	24	22.61	25.27	< 33.01
26365	1882.50				22.26	24.92	< 33.01
26640	1910.00				22.36	25.02	< 33.01
16390	1855.00	10	1	49	22.23	24.89	< 33.01
26365	1882.50				22.51	25.17	< 33.01
26640	1910.00				22.16	24.82	< 33.01
16390	1855.00	10	50	0	21.31	23.97	< 33.01
26365	1882.50				21.42	24.08	< 33.01
26640	1910.00				21.20	23.86	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
26115	1857.50	15	1	0	22.28	24.94	< 33.01
26365	1882.50				22.22	24.88	< 33.01
26615	1907.50				21.82	24.48	< 33.01
26115	1857.50	15	1	37	22.49	25.15	< 33.01
26365	1882.50				22.26	24.92	< 33.01
26615	1907.50				21.82	24.48	< 33.01
26115	1857.50	15	1	74	22.45	25.11	< 33.01
26365	1882.50				21.90	24.56	< 33.01
26615	1907.50				22.10	24.76	< 33.01
26115	1857.50	15	75	0	21.35	24.01	< 33.01
26365	1882.50				21.29	23.95	< 33.01
26615	1907.50				21.22	23.88	< 33.01
26140	1860.00	20	1	0	22.39	25.05	< 33.01
26365	1882.50				22.09	24.75	< 33.01
26590	1905.00				22.16	24.82	< 33.01
26140	1860.00	20	1	49	22.65	25.31	< 33.01
26365	1882.50				22.46	25.12	< 33.01
26590	1905.00				22.52	25.18	< 33.01
26140	1860.00	20	1	99	22.44	25.10	< 33.01
26365	1882.50				21.99	24.65	< 33.01
26590	1905.00				22.25	24.91	< 33.01
26140	1860.00	20	100	0	21.30	23.96	< 33.01
26365	1882.50				21.39	24.05	< 33.01
26590	1905.00				21.28	23.94	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26047	1850.70	1.4	1	0	20.98	23.64	< 33.01
26365	1882.50				21.36	24.02	< 33.01
26683	1914.30				20.93	23.59	< 33.01
26047	1850.70	1.4	1	2	21.80	24.46	< 33.01
26365	1882.50				21.36	24.02	< 33.01
26683	1914.30				21.17	23.83	< 33.01
26047	1850.70	1.4	1	6	21.53	24.19	< 33.01
26365	1882.50				21.06	23.72	< 33.01
26683	1914.30				20.95	23.61	< 33.01
26047	1850.70	1.4	6	0	20.09	22.75	< 33.01
26365	1882.50				20.18	22.84	< 33.01
26683	1914.30				19.94	22.60	< 33.01
26055	1851.50	3	1	0	21.36	24.02	< 33.01
26365	1882.50				21.70	24.36	< 33.01
26675	1913.50				21.26	23.92	< 33.01
26055	1851.50	3	1	7	21.47	24.13	< 33.01
26365	1882.50				21.56	24.22	< 33.01
26675	1913.50				21.23	23.89	< 33.01
26055	1851.50	3	1	14	21.19	23.85	< 33.01
26365	1882.50				20.84	23.50	< 33.01
26675	1913.50				21.38	24.04	< 33.01
26055	1851.50	3	15	0	20.20	22.86	< 33.01
26365	1882.50				20.08	22.74	< 33.01
26675	1913.50				20.20	22.86	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26065	1852.50	5	1	0	21.36	24.02	< 33.01
26365	1882.50				21.00	23.66	< 33.01
26665	1912.50				20.56	23.22	< 33.01
26065	1852.50	5	1	12	21.70	24.36	< 33.01
26365	1882.50				21.07	23.73	< 33.01
26665	1912.50				20.90	23.56	< 33.01
26065	1852.50	5	1	24	21.42	24.08	< 33.01
26365	1882.50				20.95	23.61	< 33.01
26665	1912.50				20.85	23.51	< 33.01
26065	1852.50	5	25	0	20.22	22.88	< 33.01
26365	1882.50				20.47	23.13	< 33.01
26665	1912.50				20.33	22.99	< 33.01
16390	1855.00	10	1	0	21.33	23.99	< 33.01
26365	1882.50				21.75	24.41	< 33.01
26640	1910.00				20.90	23.56	< 33.01
16390	1855.00	10	1	24	21.65	24.31	< 33.01
26365	1882.50				21.71	24.37	< 33.01
26640	1910.00				21.21	23.87	< 33.01
16390	1855.00	10	1	49	21.33	23.99	< 33.01
26365	1882.50				21.36	24.02	< 33.01
26640	1910.00				21.75	24.41	< 33.01
16390	1855.00	10	50	0	20.20	22.86	< 33.01
26365	1882.50				20.36	23.02	< 33.01
26640	1910.00				20.11	22.77	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
26115	1857.50	15	1	0	20.50	23.16	< 33.01
26365	1882.50				21.78	24.44	< 33.01
26615	1907.50				21.15	23.81	< 33.01
26115	1857.50	15	1	37	21.63	24.29	< 33.01
26365	1882.50				21.71	24.37	< 33.01
26615	1907.50				21.21	23.87	< 33.01
26115	1857.50	15	1	74	21.69	24.35	< 33.01
26365	1882.50				21.11	23.77	< 33.01
26615	1907.50				21.72	24.38	< 33.01
26115	1857.50	15	75	0	20.33	22.99	< 33.01
26365	1882.50				20.39	23.05	< 33.01
26615	1907.50				20.28	22.94	< 33.01
26140	1860.00	20	1	0	21.01	23.67	< 33.01
26365	1882.50				21.64	24.30	< 33.01
26590	1905.00				21.76	24.42	< 33.01
26140	1860.00	20	1	49	21.35	24.01	< 33.01
26365	1882.50				21.89	24.55	< 33.01
26590	1905.00				21.68	24.34	< 33.01
26140	1860.00	20	1	99	21.10	23.76	< 33.01
26365	1882.50				21.72	24.38	< 33.01
26590	1905.00				21.77	24.43	< 33.01
26140	1860.00	20	100	0	20.16	22.82	< 33.01
26365	1882.50				20.29	22.95	< 33.01
26590	1905.00				20.39	23.05	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
26047	1850.70	1.4	1	0	20.12	22.78	< 33.01
26365	1882.50				20.56	23.22	< 33.01
26683	1914.30				20.07	22.73	< 33.01
26047	1850.70	1.4	1	2	20.39	23.05	< 33.01
26365	1882.50				20.78	23.44	< 33.01
26683	1914.30				20.21	22.87	< 33.01
26047	1850.70	1.4	1	6	20.31	22.97	< 33.01
26365	1882.50				20.19	22.85	< 33.01
26683	1914.30				20.67	23.33	< 33.01
26047	1850.70	1.4	6	0	19.21	21.87	< 33.01
26365	1882.50				19.20	21.86	< 33.01
26683	1914.30				19.34	22.00	< 33.01
26055	1851.50	3	1	0	19.78	22.44	< 33.01
26365	1882.50				20.92	23.58	< 33.01
26675	1913.50				19.92	22.58	< 33.01
26055	1851.50	3	1	7	19.79	22.45	< 33.01
26365	1882.50				20.67	23.33	< 33.01
26675	1913.50				19.91	22.57	< 33.01
26055	1851.50	3	1	14	19.94	22.60	< 33.01
26365	1882.50				19.95	22.61	< 33.01
26675	1913.50				20.39	23.05	< 33.01
26055	1851.50	3	15	0	19.06	21.72	< 33.01
26365	1882.50				19.29	21.95	< 33.01
26675	1913.50				18.89	21.55	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
26065	1852.50	5	1	0	20.12	22.78	< 33.01
26365	1882.50				20.13	22.79	< 33.01
26665	1912.50				19.68	22.34	< 33.01
26065	1852.50	5	1	12	20.29	22.95	< 33.01
26365	1882.50				20.19	22.85	< 33.01
26665	1912.50				19.75	22.41	< 33.01
26065	1852.50	5	1	24	20.15	22.81	< 33.01
26365	1882.50				20.08	22.74	< 33.01
26665	1912.50				19.90	22.56	< 33.01
26065	1852.50	5	25	0	19.13	21.79	< 33.01
26365	1882.50				19.28	21.94	< 33.01
26665	1912.50				19.15	21.81	< 33.01
16390	1855.00	10	1	0	19.32	21.98	< 33.01
26365	1882.50				19.88	22.54	< 33.01
26640	1910.00				19.94	22.60	< 33.01
16390	1855.00	10	1	24	20.32	22.98	< 33.01
26365	1882.50				21.00	23.66	< 33.01
26640	1910.00				20.01	22.67	< 33.01
16390	1855.00	10	1	49	20.50	23.16	< 33.01
26365	1882.50				20.03	22.69	< 33.01
26640	1910.00				20.27	22.93	< 33.01
16390	1855.00	10	50	0	19.36	22.02	< 33.01
26365	1882.50				19.38	22.04	< 33.01
26640	1910.00				19.14	21.80	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
26115	1857.50	15	1	0	20.01	22.67	< 33.01
26365	1882.50				20.94	23.60	< 33.01
26615	1907.50				20.21	22.87	< 33.01
26115	1857.50	15	1	37	19.98	22.64	< 33.01
26365	1882.50				20.58	23.24	< 33.01
26615	1907.50				20.11	22.77	< 33.01
26115	1857.50	15	1	74	19.95	22.61	< 33.01
26365	1882.50				20.55	23.21	< 33.01
26615	1907.50				20.81	23.47	< 33.01
26115	1857.50	15	75	0	19.35	22.01	< 33.01
26365	1882.50				19.35	22.01	< 33.01
26615	1907.50				19.16	21.82	< 33.01
26140	1860.00	20	1	0	20.86	23.52	< 33.01
26365	1882.50				20.36	23.02	< 33.01
26590	1905.00				20.56	23.22	< 33.01
26140	1860.00	20	1	49	20.84	23.50	< 33.01
26365	1882.50				20.58	23.24	< 33.01
26590	1905.00				20.14	22.80	< 33.01
26140	1860.00	20	1	99	20.71	23.37	< 33.01
26365	1882.50				20.14	22.80	< 33.01
26590	1905.00				20.44	23.10	< 33.01
26140	1860.00	20	100	0	19.08	21.74	< 33.01
26365	1882.50				19.33	21.99	< 33.01
26590	1905.00				19.26	21.92	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 4/66		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131979	1710.70	1.4	1	0	22.15	23.42	< 30.00
132322	1745.00				22.29	23.56	< 30.00
132665	1779.30				22.21	23.48	< 30.00
131979	1710.70	1.4	1	2	22.36	23.63	< 30.00
132322	1745.00				22.56	23.83	< 30.00
132665	1779.30				22.43	23.70	< 30.00
131979	1710.70	1.4	1	6	22.17	23.44	< 30.00
132322	1745.00				22.37	23.64	< 30.00
132665	1779.30				22.32	23.59	< 30.00
131979	1710.70	1.4	6	0	21.28	22.55	< 30.00
132322	1745.00				21.39	22.66	< 30.00
132665	1779.30				21.34	22.61	< 30.00
131987	1711.50	3	1	0	22.28	23.55	< 30.00
132322	1745.00				22.53	23.80	< 30.00
132657	1778.50				22.48	23.75	< 30.00
131987	1711.50	3	1	7	22.35	23.62	< 30.00
132322	1745.00				22.33	23.60	< 30.00
132657	1778.50				22.30	23.57	< 30.00
131987	1711.50	3	1	14	22.29	23.56	< 30.00
132322	1745.00				22.47	23.74	< 30.00
132657	1778.50				22.17	23.44	< 30.00
131987	1711.50	3	15	0	21.39	22.66	< 30.00
132322	1745.00				21.45	22.72	< 30.00
132657	1778.50				21.44	22.71	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
131997	1712.50	5	1	0	21.94	23.21	< 30.00
132322	1745.00				22.37	23.64	< 30.00
132647	1777.50				22.31	23.58	< 30.00
131997	1712.50	5	1	12	22.20	23.47	< 30.00
132322	1745.00				22.15	23.42	< 30.00
132647	1777.50				22.27	23.54	< 30.00
131997	1712.50	5	1	24	22.21	23.48	< 30.00
132322	1745.00				22.23	23.50	< 30.00
132647	1777.50				21.90	23.17	< 30.00
131997	1712.50	5	25	0	21.29	22.56	< 30.00
132322	1745.00				21.42	22.69	< 30.00
132647	1777.50				21.33	22.60	< 30.00
132022	1715.00	10	1	0	22.22	23.49	< 30.00
132322	1745.00				22.37	23.64	< 30.00
132622	1775.00				22.46	23.73	< 30.00
132022	1715.00	10	1	24	22.28	23.55	< 30.00
132322	1745.00				22.37	23.64	< 30.00
132622	1775.00				22.35	23.62	< 30.00
132022	1715.00	10	1	49	22.33	23.60	< 30.00
132322	1745.00				22.41	23.68	< 30.00
132622	1775.00				22.10	23.37	< 30.00
132022	1715.00	10	50	0	21.35	22.62	< 30.00
132322	1745.00				21.41	22.68	< 30.00
132622	1775.00				21.51	22.78	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
132047	1717.50	15	1	0	22.11	23.38	< 30.00
132322	1745.00				22.25	23.52	< 30.00
132597	1772.50				22.59	23.86	< 30.00
132047	1717.50	15	1	37	22.33	23.60	< 30.00
132322	1745.00				22.35	23.62	< 30.00
132597	1772.50				22.62	23.89	< 30.00
132047	1717.50	15	1	74	22.19	23.46	< 30.00
132322	1745.00				22.47	23.74	< 30.00
132597	1772.50				21.95	23.22	< 30.00
132047	1717.50	15	75	0	21.41	22.68	< 30.00
132322	1745.00				21.50	22.77	< 30.00
132597	1772.50				21.48	22.75	< 30.00
132072	1720.00	20	1	0	22.25	23.52	< 30.00
132322	1745.00				22.40	23.67	< 30.00
132572	1770.00				22.14	23.41	< 30.00
132072	1720.00	20	1	49	22.59	23.86	< 30.00
132322	1745.00				22.61	23.88	< 30.00
132572	1770.00				22.56	23.83	< 30.00
132072	1720.00	20	1	99	22.68	23.95	< 30.00
132322	1745.00				22.26	23.53	< 30.00
132572	1770.00				22.16	23.43	< 30.00
132072	1720.00	20	100	0	21.48	22.75	< 30.00
132322	1745.00				21.56	22.83	< 30.00
132572	1770.00				21.54	22.81	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131979	1710.70	1.4	1	0	21.03	22.30	< 30.00
132322	1745.00				21.36	22.63	< 30.00
132665	1779.30				20.97	22.24	< 30.00
131979	1710.70	1.4	1	2	20.80	22.07	< 30.00
132322	1745.00				21.50	22.77	< 30.00
132665	1779.30				21.16	22.43	< 30.00
131979	1710.70	1.4	1	6	21.24	22.51	< 30.00
132322	1745.00				21.65	22.92	< 30.00
132665	1779.30				20.99	22.26	< 30.00
131979	1710.70	1.4	6	0	20.39	21.66	< 30.00
132322	1745.00				20.73	22.00	< 30.00
132665	1779.30				20.30	21.57	< 30.00
131987	1711.50	3	1	0	21.40	22.67	< 30.00
132322	1745.00				21.81	23.08	< 30.00
132657	1778.50				21.34	22.61	< 30.00
131987	1711.50	3	1	7	21.58	22.85	< 30.00
132322	1745.00				21.67	22.94	< 30.00
132657	1778.50				21.18	22.45	< 30.00
131987	1711.50	3	1	14	21.77	23.04	< 30.00
132322	1745.00				21.18	22.45	< 30.00
132657	1778.50				21.79	23.06	< 30.00
131987	1711.50	3	15	0	20.29	21.56	< 30.00
132322	1745.00				20.62	21.89	< 30.00
132657	1778.50				20.41	21.68	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
131997	1712.50	5	1	0	20.93	22.20	< 30.00
132322	1745.00				21.12	22.39	< 30.00
132647	1777.50				21.72	22.99	< 30.00
131997	1712.50	5	1	12	21.11	22.38	< 30.00
132322	1745.00				21.12	22.39	< 30.00
132647	1777.50				21.77	23.04	< 30.00
131997	1712.50	5	1	24	20.96	22.23	< 30.00
132322	1745.00				21.84	23.11	< 30.00
132647	1777.50				21.04	22.31	< 30.00
131997	1712.50	5	25	0	20.22	21.49	< 30.00
132322	1745.00				20.57	21.84	< 30.00
132647	1777.50				20.52	21.79	< 30.00
132022	1715.00	10	1	0	21.51	22.78	< 30.00
132322	1745.00				21.99	23.26	< 30.00
132622	1775.00				21.22	22.49	< 30.00
132022	1715.00	10	1	24	21.50	22.77	< 30.00
132322	1745.00				21.44	22.71	< 30.00
132622	1775.00				21.87	23.14	< 30.00
132022	1715.00	10	1	49	21.13	22.40	< 30.00
132322	1745.00				21.86	23.13	< 30.00
132622	1775.00				21.80	23.07	< 30.00
132022	1715.00	10	50	0	20.38	21.65	< 30.00
132322	1745.00				20.44	21.71	< 30.00
132622	1775.00				20.33	21.60	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
132047	1717.50	15	1	0	21.19	22.46	< 30.00
132322	1745.00				21.96	23.23	< 30.00
132597	1772.50				21.83	23.10	< 30.00
132047	1717.50	15	1	37	21.68	22.95	< 30.00
132322	1745.00				21.41	22.68	< 30.00
132597	1772.50				21.86	23.13	< 30.00
132047	1717.50	15	1	74	21.86	23.13	< 30.00
132322	1745.00				21.98	23.25	< 30.00
132597	1772.50				21.17	22.44	< 30.00
132047	1717.50	15	75	0	20.40	21.67	< 30.00
132322	1745.00				20.64	21.91	< 30.00
132597	1772.50				20.52	21.79	< 30.00
132072	1720.00	20	1	0	21.11	22.38	< 30.00
132322	1745.00				21.79	23.06	< 30.00
132572	1770.00				21.89	23.16	< 30.00
132072	1720.00	20	1	49	21.25	22.52	< 30.00
132322	1745.00				21.99	23.26	< 30.00
132572	1770.00				22.24	23.51	< 30.00
132072	1720.00	20	1	99	21.18	22.45	< 30.00
132322	1745.00				21.99	23.26	< 30.00
132572	1770.00				21.69	22.96	< 30.00
132072	1720.00	20	100	0	20.59	21.86	< 30.00
132322	1745.00				20.57	21.84	< 30.00
132572	1770.00				20.64	21.91	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
131979	1710.70	1.4	1	0	20.00	21.27	< 30.00
132322	1745.00				20.64	21.91	< 30.00
132665	1779.30				20.31	21.58	< 30.00
131979	1710.70	1.4	1	2	19.64	20.91	< 30.00
132322	1745.00				20.45	21.72	< 30.00
132665	1779.30				20.66	21.93	< 30.00
131979	1710.70	1.4	1	6	19.85	21.12	< 30.00
132322	1745.00				20.50	21.77	< 30.00
132665	1779.30				20.49	21.76	< 30.00
131979	1710.70	1.4	6	0	19.40	20.67	< 30.00
132322	1745.00				19.57	20.84	< 30.00
132665	1779.30				19.26	20.53	< 30.00
131987	1711.50	3	1	0	20.46	21.73	< 30.00
132322	1745.00				21.10	22.37	< 30.00
132657	1778.50				20.51	21.78	< 30.00
131987	1711.50	3	1	7	20.10	21.37	< 30.00
132322	1745.00				21.03	22.30	< 30.00
132657	1778.50				20.24	21.51	< 30.00
131987	1711.50	3	1	14	20.46	21.73	< 30.00
132322	1745.00				20.39	21.66	< 30.00
132657	1778.50				20.95	22.22	< 30.00
131987	1711.50	3	15	0	19.34	20.61	< 30.00
132322	1745.00				19.58	20.85	< 30.00
132657	1778.50				19.41	20.68	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
131997	1712.50	5	1	0	19.82	21.09	< 30.00
132322	1745.00				20.25	21.52	< 30.00
132647	1777.50				20.68	21.95	< 30.00
131997	1712.50	5	1	12	20.03	21.30	< 30.00
132322	1745.00				20.08	21.35	< 30.00
132647	1777.50				20.41	21.68	< 30.00
131997	1712.50	5	1	24	20.06	21.33	< 30.00
132322	1745.00				20.47	21.74	< 30.00
132647	1777.50				19.92	21.19	< 30.00
131997	1712.50	5	25	0	18.99	20.26	< 30.00
132322	1745.00				19.50	20.77	< 30.00
132647	1777.50				19.49	20.76	< 30.00
132022	1715.00	10	1	0	20.35	21.62	< 30.00
132322	1745.00				21.24	22.51	< 30.00
132622	1775.00				20.26	21.53	< 30.00
132022	1715.00	10	1	24	20.00	21.27	< 30.00
132322	1745.00				20.58	21.85	< 30.00
132622	1775.00				21.15	22.42	< 30.00
132022	1715.00	10	1	49	20.28	21.55	< 30.00
132322	1745.00				20.45	21.72	< 30.00
132622	1775.00				20.90	22.17	< 30.00
132022	1715.00	10	50	0	19.44	20.71	< 30.00
132322	1745.00				19.40	20.67	< 30.00
132622	1775.00				19.60	20.87	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
132047	1717.50	15	1	0	20.33	21.60	< 30.00
132322	1745.00				21.12	22.39	< 30.00
132597	1772.50				19.85	21.12	< 30.00
132047	1717.50	15	1	37	21.02	22.29	< 30.00
132322	1745.00				20.63	21.90	< 30.00
132597	1772.50				20.17	21.44	< 30.00
132047	1717.50	15	1	74	20.91	22.18	< 30.00
132322	1745.00				20.62	21.89	< 30.00
132597	1772.50				20.33	21.60	< 30.00
132047	1717.50	15	75	0	19.52	20.79	< 30.00
132322	1745.00				19.64	20.91	< 30.00
132597	1772.50				19.45	20.72	< 30.00
132072	1720.00	20	1	0	20.90	22.17	< 30.00
132322	1745.00				20.79	22.06	< 30.00
132572	1770.00				20.77	22.04	< 30.00
132072	1720.00	20	1	49	20.92	22.19	< 30.00
132322	1745.00				21.03	22.30	< 30.00
132572	1770.00				21.06	22.33	< 30.00
132072	1720.00	20	1	99	20.88	22.15	< 30.00
132322	1745.00				20.73	22.00	< 30.00
132572	1770.00				20.77	22.04	< 30.00
132072	1720.00	20	100	0	19.45	20.72	< 30.00
132322	1745.00				19.50	20.77	< 30.00
132572	1770.00				19.60	20.87	< 30.00
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 5/26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26797	824.70	1.4	1	0	23.19	20.92	< 38.45
26915	836.50				23.27	21.00	< 38.45
27033	848.30				23.25	20.98	< 38.45
26797	824.70	1.4	1	2	23.09	20.82	< 38.45
26915	836.50				23.08	20.81	< 38.45
27033	848.30				23.24	20.97	< 38.45
26797	824.70	1.4	1	6	23.01	20.74	< 38.45
26915	836.50				23.11	20.84	< 38.45
27033	848.30				23.20	20.93	< 38.45
26797	824.70	1.4	6	0	22.21	19.94	< 38.45
26915	836.50				22.14	19.87	< 38.45
27033	848.30				22.00	19.73	< 38.45
26805	825.50	3	1	0	23.11	20.84	< 38.45
26915	836.50				23.02	20.75	< 38.45
27015	846.50				23.20	20.93	< 38.45
26805	825.50	3	1	7	23.04	20.77	< 38.45
26915	836.50				23.20	20.93	< 38.45
27015	846.50				23.13	20.86	< 38.45
26805	825.50	3	1	14	23.47	21.20	< 38.45
26915	836.50				23.05	20.78	< 38.45
27015	846.50				23.22	20.95	< 38.45
26805	825.50	3	15	0	22.17	19.90	< 38.45
26915	836.50				22.17	19.90	< 38.45
27015	846.50				22.04	19.77	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26815	826.50	5	1	0	23.15	20.88	< 38.45
26915	836.50				23.00	20.73	< 38.45
27015	846.50				22.68	20.41	< 38.45
26815	826.50	5	1	12	23.02	20.75	< 38.45
26915	836.50				22.71	20.44	< 38.45
27015	846.50				22.71	20.44	< 38.45
26815	826.50	5	1	24	22.94	20.67	< 38.45
26915	836.50				22.93	20.66	< 38.45
27015	846.50				22.87	20.60	< 38.45
26815	826.50	5	25	0	22.21	19.94	< 38.45
26915	836.50				22.24	19.97	< 38.45
27015	846.50				22.12	19.85	< 38.45
26840	829.00	10	1	0	23.07	20.80	< 38.45
26915	836.50				23.38	21.11	< 38.45
26990	844.00				23.25	20.98	< 38.45
26840	829.00	10	1	24	23.58	21.31	< 38.45
26915	836.50				23.00	20.73	< 38.45
26990	844.00				23.44	21.17	< 38.45
26840	829.00	10	1	49	23.09	20.82	< 38.45
26915	836.50				23.38	21.11	< 38.45
26990	844.00				22.93	20.66	< 38.45
26840	829.00	10	50	0	22.21	19.94	< 38.45
26915	836.50				22.33	20.06	< 38.45
26990	844.00				22.28	20.01	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
26765	821.50	15	1	0	22.87	20.60	< 38.45
26915	836.50				23.23	20.96	< 38.45
26965	841.50				23.09	20.82	< 38.45
26765	821.50	15	1	37	23.03	20.76	< 38.45
26915	836.50				23.02	20.75	< 38.45
26965	841.50				23.51	21.24	< 38.45
26765	821.50	15	1	74	23.12	20.85	< 38.45
26915	836.50				23.41	21.14	< 38.45
26965	841.50				22.68	20.41	< 38.45
26765	821.50	15	75	0	22.22	19.95	< 38.45
26915	836.50				22.34	20.07	< 38.45
26965	841.50				22.21	19.94	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26797	824.70	1.4	1	0	22.58	20.31	< 38.45
26915	836.50				21.88	19.61	< 38.45
27033	848.30				21.93	19.66	< 38.45
26797	824.70	1.4	1	2	22.56	20.29	< 38.45
26915	836.50				21.79	19.52	< 38.45
27033	848.30				21.98	19.71	< 38.45
26797	824.70	1.4	1	6	21.76	19.49	< 38.45
26915	836.50				22.62	20.35	< 38.45
27033	848.30				21.78	19.51	< 38.45
26797	824.70	1.4	6	0	21.04	18.77	< 38.45
26915	836.50				21.18	18.91	< 38.45
27033	848.30				20.68	18.41	< 38.45
26805	825.50	3	1	0	21.84	19.57	< 38.45
26915	836.50				22.66	20.39	< 38.45
27015	846.50				22.21	19.94	< 38.45
26805	825.50	3	1	7	21.91	19.64	< 38.45
26915	836.50				22.22	19.95	< 38.45
27015	846.50				22.17	19.90	< 38.45
26805	825.50	3	1	14	22.27	20.00	< 38.45
26915	836.50				22.12	19.85	< 38.45
27015	846.50				22.04	19.77	< 38.45
26805	825.50	3	15	0	21.05	18.78	< 38.45
26915	836.50				21.00	18.73	< 38.45
27015	846.50				21.40	19.13	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26815	826.50	5	1	0	22.49	20.22	< 38.45
26915	836.50				21.90	19.63	< 38.45
27015	846.50				21.66	19.39	< 38.45
26815	826.50	5	1	12	22.11	19.84	< 38.45
26915	836.50				22.76	20.49	< 38.45
27015	846.50				21.65	19.38	< 38.45
26815	826.50	5	1	24	21.70	19.43	< 38.45
26915	836.50				21.99	19.72	< 38.45
27015	846.50				21.66	19.39	< 38.45
26815	826.50	5	25	0	21.31	19.04	< 38.45
26915	836.50				21.29	19.02	< 38.45
27015	846.50				21.09	18.82	< 38.45
26840	829.00	10	1	0	22.00	19.73	< 38.45
26915	836.50				22.90	20.63	< 38.45
26990	844.00				22.15	19.88	< 38.45
26840	829.00	10	1	24	22.03	19.76	< 38.45
26915	836.50				22.61	20.34	< 38.45
26990	844.00				22.54	20.27	< 38.45
26840	829.00	10	1	49	22.83	20.56	< 38.45
26915	836.50				22.17	19.90	< 38.45
26990	844.00				22.14	19.87	< 38.45
26840	829.00	10	50	0	21.20	18.93	< 38.45
26915	836.50				21.33	19.06	< 38.45
26990	844.00				21.34	19.07	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
26765	821.50	15	1	0	22.66	20.39	< 38.45
26915	836.50				22.81	20.54	< 38.45
26965	841.50				22.86	20.59	< 38.45
26765	821.50	15	1	37	22.84	20.57	< 38.45
26915	836.50				22.53	20.26	< 38.45
26965	841.50				22.90	20.63	< 38.45
26765	821.50	15	1	74	22.81	20.54	< 38.45
26915	836.50				22.72	20.45	< 38.45
26965	841.50				21.88	19.61	< 38.45
26765	821.50	15	75	0	21.28	19.01	< 38.45
26915	836.50				21.45	19.18	< 38.45
26965	841.50				21.15	18.88	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
26797	824.70	1.4	1	0	21.25	18.98	< 38.45
26915	836.50				21.35	19.08	< 38.45
27033	848.30				20.96	18.69	< 38.45
26797	824.70	1.4	1	2	21.01	18.74	< 38.45
26915	836.50				21.16	18.89	< 38.45
27033	848.30				21.36	19.09	< 38.45
26797	824.70	1.4	1	6	21.18	18.91	< 38.45
26915	836.50				20.44	18.17	< 38.45
27033	848.30				21.20	18.93	< 38.45
26797	824.70	1.4	6	0	20.38	18.11	< 38.45
26915	836.50				20.08	17.81	< 38.45
27033	848.30				19.84	17.57	< 38.45
26805	825.50	3	1	0	21.10	18.83	< 38.45
26915	836.50				21.77	19.50	< 38.45
27015	846.50				20.33	18.06	< 38.45
26805	825.50	3	1	7	20.81	18.54	< 38.45
26915	836.50				21.03	18.76	< 38.45
27015	846.50				21.22	18.95	< 38.45
26805	825.50	3	1	14	21.08	18.81	< 38.45
26915	836.50				21.74	19.47	< 38.45
27015	846.50				20.83	18.56	< 38.45
26805	825.50	3	15	0	19.85	17.58	< 38.45
26915	836.50				19.86	17.59	< 38.45
27015	846.50				20.31	18.04	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
26815	826.50	5	1	0	21.17	18.90	< 38.45
26915	836.50				20.83	18.56	< 38.45
27015	846.50				20.58	18.31	< 38.45
26815	826.50	5	1	12	21.09	18.82	< 38.45
26915	836.50				21.35	19.08	< 38.45
27015	846.50				20.79	18.52	< 38.45
26815	826.50	5	1	24	21.10	18.83	< 38.45
26915	836.50				20.85	18.58	< 38.45
27015	846.50				20.99	18.72	< 38.45
26815	826.50	5	25	0	20.23	17.96	< 38.45
26915	836.50				20.38	18.11	< 38.45
27015	846.50				20.04	17.77	< 38.45
26840	829.00	10	1	0	20.90	18.63	< 38.45
26915	836.50				21.35	19.08	< 38.45
26990	844.00				21.16	18.89	< 38.45
26840	829.00	10	1	24	21.16	18.89	< 38.45
26915	836.50				21.79	19.52	< 38.45
26990	844.00				20.91	18.64	< 38.45
26840	829.00	10	1	49	21.75	19.48	< 38.45
26915	836.50				21.16	18.89	< 38.45
26990	844.00				21.22	18.95	< 38.45
26840	829.00	10	50	0	19.92	17.65	< 38.45
26915	836.50				20.35	18.08	< 38.45
26990	844.00				20.36	18.09	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
26765	821.50	15	1	0	21.77	19.50	< 38.45
26915	836.50				21.85	19.58	< 38.45
26965	841.50				21.04	18.77	< 38.45
26765	821.50	15	1	37	21.93	19.66	< 38.45
26915	836.50				21.79	19.52	< 38.45
26965	841.50				21.38	19.11	< 38.45
26765	821.50	15	1	74	21.87	19.60	< 38.45
26915	836.50				20.37	18.10	< 38.45
26965	841.50				21.46	19.19	< 38.45
26765	821.50	15	75	0	20.21	17.94	< 38.45
26915	836.50				20.42	18.15	< 38.45
26965	841.50				20.34	18.07	< 38.45
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 7		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20775	2502.50	5	1	0	22.75	22.42	< 33.01
21100	2535.00				22.04	21.71	< 33.01
21425	2567.50				21.69	21.36	< 33.01
20775	2502.50	5	1	12	22.76	22.43	< 33.01
21100	2535.00				22.49	22.16	< 33.01
21425	2567.50				21.82	21.49	< 33.01
20775	2502.50	5	1	24	22.65	22.32	< 33.01
21100	2535.00				21.94	21.61	< 33.01
21425	2567.50				21.70	21.37	< 33.01
20775	2502.50	5	25	0	21.86	21.53	< 33.01
21100	2535.00				21.49	21.16	< 33.01
21425	2567.50				20.84	20.51	< 33.01
20800	2505.00	10	1	0	22.68	22.35	< 33.01
21100	2535.00				22.21	21.88	< 33.01
21400	2565.00				21.89	21.56	< 33.01
20800	2505.00	10	1	24	22.98	22.65	< 33.01
21100	2535.00				22.25	21.92	< 33.01
21400	2565.00				22.15	21.82	< 33.01
20800	2505.00	10	1	49	23.01	22.68	< 33.01
21100	2535.00				22.34	22.01	< 33.01
21400	2565.00				21.77	21.44	< 33.01
20800	2505.00	10	50	0	21.97	21.64	< 33.01
21100	2535.00				21.49	21.16	< 33.01
21400	2565.00				20.96	20.63	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
20825	2507.50	15	1	0	22.59	22.26	< 33.01
21100	2535.00				22.29	21.96	< 33.01
21375	2562.50				21.67	21.34	< 33.01
20825	2507.50	15	1	37	22.72	22.39	< 33.01
21100	2535.00				22.53	22.20	< 33.01
21375	2562.50				21.80	21.47	< 33.01
20825	2507.50	15	1	74	22.83	22.50	< 33.01
21100	2535.00				22.09	21.76	< 33.01
21375	2562.50				21.62	21.29	< 33.01
20825	2507.50	15	75	0	21.97	21.64	< 33.01
21100	2535.00				21.44	21.11	< 33.01
21375	2562.50				20.85	20.52	< 33.01
20850	2510.00	20	1	0	22.91	22.58	< 33.01
21100	2535.00				22.24	21.91	< 33.01
21350	2560.00				21.78	21.45	< 33.01
20850	2510.00	20	1	49	23.08	22.75	< 33.01
21100	2535.00				22.28	21.95	< 33.01
21350	2560.00				21.95	21.62	< 33.01
20850	2510.00	20	1	99	22.49	22.16	< 33.01
21100	2535.00				22.34	22.01	< 33.01
21350	2560.00				21.65	21.32	< 33.01
20850	2510.00	20	100	0	21.91	21.58	< 33.01
21100	2535.00				21.38	21.05	< 33.01
21350	2560.00				20.95	20.62	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20775	2502.50	5	1	0	22.46	22.13	< 33.01
21100	2535.00				20.93	20.60	< 33.01
21425	2567.50				20.20	19.87	< 33.01
20775	2502.50	5	1	12	22.56	22.23	< 33.01
21100	2535.00				21.33	21.00	< 33.01
21425	2567.50				20.39	20.06	< 33.01
20775	2502.50	5	1	24	22.14	21.81	< 33.01
21100	2535.00				20.76	20.43	< 33.01
21425	2567.50				20.46	20.13	< 33.01
20775	2502.50	5	25	0	20.92	20.59	< 33.01
21100	2535.00				20.52	20.19	< 33.01
21425	2567.50				19.84	19.51	< 33.01
20800	2505.00	10	1	0	22.14	21.81	< 33.01
21100	2535.00				21.92	21.59	< 33.01
21400	2565.00				20.69	20.36	< 33.01
20800	2505.00	10	1	24	22.14	21.81	< 33.01
21100	2535.00				22.00	21.67	< 33.01
21400	2565.00				20.80	20.47	< 33.01
20800	2505.00	10	1	49	22.26	21.93	< 33.01
21100	2535.00				21.40	21.07	< 33.01
21400	2565.00				21.40	21.07	< 33.01
20800	2505.00	10	50	0	20.90	20.57	< 33.01
21100	2535.00				20.44	20.11	< 33.01
21400	2565.00				19.80	19.47	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
20825	2507.50	15	1	0	22.02	21.69	< 33.01
21100	2535.00				21.62	21.29	< 33.01
21375	2562.50				21.14	20.81	< 33.01
20825	2507.50	15	1	37	22.47	22.14	< 33.01
21100	2535.00				21.54	21.21	< 33.01
21375	2562.50				20.38	20.05	< 33.01
20825	2507.50	15	1	74	22.34	22.01	< 33.01
21100	2535.00				21.70	21.37	< 33.01
21375	2562.50				20.67	20.34	< 33.01
20825	2507.50	15	75	0	21.10	20.77	< 33.01
21100	2535.00				20.37	20.04	< 33.01
21375	2562.50				19.74	19.41	< 33.01
20850	2510.00	20	1	0	21.75	21.42	< 33.01
21100	2535.00				21.80	21.47	< 33.01
21350	2560.00				21.45	21.12	< 33.01
20850	2510.00	20	1	49	21.90	21.57	< 33.01
21100	2535.00				20.52	20.19	< 33.01
21350	2560.00				21.55	21.22	< 33.01
20850	2510.00	20	1	99	21.95	21.62	< 33.01
21100	2535.00				21.08	20.75	< 33.01
21350	2560.00				20.98	20.65	< 33.01
20850	2510.00	20	100	0	20.96	20.63	< 33.01
21100	2535.00				20.48	20.15	< 33.01
21350	2560.00				19.82	19.49	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
20775	2502.50	5	1	0	21.22	20.89	< 33.01
21100	2535.00				20.74	20.41	< 33.01
21425	2567.50				19.35	19.02	< 33.01
20775	2502.50	5	1	12	20.99	20.66	< 33.01
21100	2535.00				20.49	20.16	< 33.01
21425	2567.50				19.51	19.18	< 33.01
20775	2502.50	5	1	24	20.86	20.53	< 33.01
21100	2535.00				19.98	19.65	< 33.01
21425	2567.50				19.65	19.32	< 33.01
20775	2502.50	5	25	0	20.18	19.85	< 33.01
21100	2535.00				19.41	19.08	< 33.01
21425	2567.50				18.89	18.56	< 33.01
20800	2505.00	10	1	0	21.09	20.76	< 33.01
21100	2535.00				20.96	20.63	< 33.01
21400	2565.00				19.71	19.38	< 33.01
20800	2505.00	10	1	24	21.13	20.80	< 33.01
21100	2535.00				21.12	20.79	< 33.01
21400	2565.00				19.92	19.59	< 33.01
20800	2505.00	10	1	49	20.41	20.08	< 33.01
21100	2535.00				20.21	19.88	< 33.01
21400	2565.00				20.36	20.03	< 33.01
20800	2505.00	10	50	0	20.06	19.73	< 33.01
21100	2535.00				19.39	19.06	< 33.01
21400	2565.00				19.00	18.67	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
20825	2507.50	15	1	0	20.82	20.49	< 33.01
21100	2535.00				20.97	20.64	< 33.01
21375	2562.50				19.23	18.90	< 33.01
20825	2507.50	15	1	37	21.63	21.30	< 33.01
21100	2535.00				20.81	20.48	< 33.01
21375	2562.50				19.79	19.46	< 33.01
20825	2507.50	15	1	74	21.04	20.71	< 33.01
21100	2535.00				20.82	20.49	< 33.01
21375	2562.50				20.18	19.85	< 33.01
20825	2507.50	15	75	0	19.88	19.55	< 33.01
21100	2535.00				19.32	18.99	< 33.01
21375	2562.50				18.73	18.40	< 33.01
20850	2510.00	20	1	0	21.30	20.97	< 33.01
21100	2535.00				20.44	20.11	< 33.01
21350	2560.00				20.01	19.68	< 33.01
20850	2510.00	20	1	49	21.73	21.40	< 33.01
21100	2535.00				19.83	19.50	< 33.01
21350	2560.00				19.99	19.66	< 33.01
20850	2510.00	20	1	99	20.64	20.31	< 33.01
21100	2535.00				20.66	20.33	< 33.01
21350	2560.00				19.94	19.61	< 33.01
20850	2510.00	20	100	0	19.93	19.60	< 33.01
21100	2535.00				19.52	19.19	< 33.01
21350	2560.00				18.92	18.59	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 12		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23017	699.7	1.4	1	0	23.20	20.31	< 34.77
23095	707.5				23.54	20.65	< 34.77
23173	715.3				23.05	20.16	< 34.77
23017	699.7	1.4	1	2	23.36	20.47	< 34.77
23095	707.5				23.44	20.55	< 34.77
23173	715.3				22.96	20.07	< 34.77
23017	699.7	1.4	1	6	23.58	20.69	< 34.77
23095	707.5				23.43	20.54	< 34.77
23173	715.3				23.27	20.38	< 34.77
23017	699.7	1.4	6	0	22.36	19.47	< 34.77
23095	707.5				22.44	19.55	< 34.77
23173	715.3				22.13	19.24	< 34.77
23025	700.5	3	1	0	23.33	20.44	< 34.77
23095	707.5				23.28	20.39	< 34.77
23165	714.5				23.10	20.21	< 34.77
23025	700.5	3	1	7	23.09	20.20	< 34.77
23095	707.5				23.18	20.29	< 34.77
23165	714.5				22.98	20.09	< 34.77
23025	700.5	3	1	14	23.15	20.26	< 34.77
23095	707.5				23.41	20.52	< 34.77
23165	714.5				23.16	20.27	< 34.77
23025	700.5	3	15	0	22.39	19.50	< 34.77
23095	707.5				22.36	19.47	< 34.77
23165	714.5				22.07	19.18	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23035	701.5	5	1	0	23.15	20.26	< 34.77
23095	707.5				23.23	20.34	< 34.77
23155	713.5				22.99	20.10	< 34.77
23035	701.5	5	1	12	23.35	20.46	< 34.77
23095	707.5				23.16	20.27	< 34.77
23155	713.5				22.75	19.86	< 34.77
23035	701.5	5	1	24	22.97	20.08	< 34.77
23095	707.5				23.30	20.41	< 34.77
23155	713.5				22.96	20.07	< 34.77
23035	701.5	5	25	0	22.31	19.42	< 34.77
23095	707.5				22.39	19.50	< 34.77
23155	713.5				21.99	19.10	< 34.77
23060	704.0	10	1	0	23.23	20.34	< 34.77
23095	707.5				22.98	20.09	< 34.77
23130	711.0				23.24	20.35	< 34.77
23060	704.0	10	1	24	23.61	20.72	< 34.77
23095	707.5				23.35	20.46	< 34.77
23130	711.0				23.08	20.19	< 34.77
23060	704.0	10	1	49	23.19	20.30	< 34.77
23095	707.5				23.01	20.12	< 34.77
23130	711.0				22.83	19.94	< 34.77
23060	704.0	10	50	0	22.25	19.36	< 34.77
23095	707.5				22.33	19.44	< 34.77
23130	711.0				22.18	19.29	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23017	699.7	1.4	1	0	22.07	19.18	< 34.77
23095	707.5				21.97	19.08	< 34.77
23173	715.3				21.84	18.95	< 34.77
23017	699.7	1.4	1	2	22.55	19.66	< 34.77
23095	707.5				22.41	19.52	< 34.77
23173	715.3				22.06	19.17	< 34.77
23017	699.7	1.4	1	6	22.82	19.93	< 34.77
23095	707.5				22.25	19.36	< 34.77
23173	715.3				21.75	18.86	< 34.77
23017	699.7	1.4	6	0	21.34	18.45	< 34.77
23095	707.5				21.32	18.43	< 34.77
23173	715.3				21.18	18.29	< 34.77
23025	700.5	3	1	0	22.36	19.47	< 34.77
23095	707.5				22.76	19.87	< 34.77
23165	714.5				22.17	19.28	< 34.77
23025	700.5	3	1	7	22.71	19.82	< 34.77
23095	707.5				22.70	19.81	< 34.77
23165	714.5				21.81	18.92	< 34.77
23025	700.5	3	1	14	22.67	19.78	< 34.77
23095	707.5				22.46	19.57	< 34.77
23165	714.5				22.27	19.38	< 34.77
23025	700.5	3	15	0	21.23	18.34	< 34.77
23095	707.5				21.61	18.72	< 34.77
23165	714.5				20.90	18.01	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23035	701.5	5	1	0	22.85	19.96	< 34.77
23095	707.5				22.06	19.17	< 34.77
23155	713.5				21.70	18.81	< 34.77
23035	701.5	5	1	12	22.23	19.34	< 34.77
23095	707.5				21.72	18.83	< 34.77
23155	713.5				21.62	18.73	< 34.77
23035	701.5	5	1	24	21.95	19.06	< 34.77
23095	707.5				22.63	19.74	< 34.77
23155	713.5				22.07	19.18	< 34.77
23035	701.5	5	25	0	21.28	18.39	< 34.77
23095	707.5				21.35	18.46	< 34.77
23155	713.5				21.03	18.14	< 34.77
23060	704.0	10	1	0	22.36	19.47	< 34.77
23095	707.5				22.64	19.75	< 34.77
23130	711.0				22.17	19.28	< 34.77
23060	704.0	10	1	24	22.65	19.76	< 34.77
23095	707.5				22.50	19.61	< 34.77
23130	711.0				22.62	19.73	< 34.77
23060	704.0	10	1	49	22.79	19.90	< 34.77
23095	707.5				21.86	18.97	< 34.77
23130	711.0				22.26	19.37	< 34.77
23060	704.0	10	50	0	21.26	18.37	< 34.77
23095	707.5				21.25	18.36	< 34.77
23130	711.0				20.99	18.10	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
23017	699.7	1.4	1	0	21.00	18.11	< 34.77
23095	707.5				21.61	18.72	< 34.77
23173	715.3				20.79	17.90	< 34.77
23017	699.7	1.4	1	2	21.22	18.33	< 34.77
23095	707.5				21.74	18.85	< 34.77
23173	715.3				21.14	18.25	< 34.77
23017	699.7	1.4	1	6	20.93	18.04	< 34.77
23095	707.5				21.22	18.33	< 34.77
23173	715.3				21.26	18.37	< 34.77
23017	699.7	1.4	6	0	20.31	17.42	< 34.77
23095	707.5				20.27	17.38	< 34.77
23173	715.3				20.30	17.41	< 34.77
23025	700.5	3	1	0	20.78	17.89	< 34.77
23095	707.5				21.92	19.03	< 34.77
23165	714.5				20.92	18.03	< 34.77
23025	700.5	3	1	7	21.81	18.92	< 34.77
23095	707.5				21.87	18.98	< 34.77
23165	714.5				20.98	18.09	< 34.77
23025	700.5	3	1	14	21.85	18.96	< 34.77
23095	707.5				20.97	18.08	< 34.77
23165	714.5				20.98	18.09	< 34.77
23025	700.5	3	15	0	20.11	17.22	< 34.77
23095	707.5				20.51	17.62	< 34.77
23165	714.5				20.13	17.24	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
23035	701.5	5	1	0	21.21	18.32	< 34.77
23095	707.5				21.29	18.40	< 34.77
23155	713.5				20.65	17.76	< 34.77
23035	701.5	5	1	12	21.27	18.38	< 34.77
23095	707.5				21.24	18.35	< 34.77
23155	713.5				20.69	17.80	< 34.77
23035	701.5	5	1	24	21.16	18.27	< 34.77
23095	707.5				21.18	18.29	< 34.77
23155	713.5				20.51	17.62	< 34.77
23035	701.5	5	25	0	20.34	17.45	< 34.77
23095	707.5				20.38	17.49	< 34.77
23155	713.5				20.03	17.14	< 34.77
23060	704.0	10	1	0	21.22	18.33	< 34.77
23095	707.5				21.71	18.82	< 34.77
23130	711.0				21.33	18.44	< 34.77
23060	704.0	10	1	24	21.14	18.25	< 34.77
23095	707.5				21.35	18.46	< 34.77
23130	711.0				21.78	18.89	< 34.77
23060	704.0	10	1	49	21.19	18.30	< 34.77
23095	707.5				20.78	17.89	< 34.77
23130	711.0				21.51	18.62	< 34.77
23060	704.0	10	50	0	20.20	17.31	< 34.77
23095	707.5				20.20	17.31	< 34.77
23130	711.0				20.13	17.24	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2021/12/21 ~ 2021/12/27
Test Band	LTE Band 13		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23205	779.5	5	1	0	23.01	19.22	< 34.77
23230	782.0				22.84	19.05	< 34.77
23255	784.5				22.70	18.91	< 34.77
23205	779.5	5	1	12	22.71	18.92	< 34.77
23230	782.0				22.84	19.05	< 34.77
23255	784.5				22.94	19.15	< 34.77
23205	779.5	5	1	24	23.08	19.29	< 34.77
23230	782.0				22.72	18.93	< 34.77
23255	784.5				22.89	19.10	< 34.77
23205	779.5	5	25	0	22.05	18.26	< 34.77
23230	782.0				22.12	18.33	< 34.77
23255	784.5				22.09	18.30	< 34.77
23230	782.0	10	1	0	22.87	19.08	< 34.77
23230	782.0		1	24	23.28	19.49	< 34.77
23230	782.0		1	49	22.71	18.92	< 34.77
23230	782.0		50	0	22.12	18.33	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23205	779.5	5	1	0	21.97	18.18	< 34.77
23230	782.0				22.30	18.51	< 34.77
23255	784.5				21.69	17.90	< 34.77
23205	779.5	5	1	12	22.36	18.57	< 34.77
23230	782.0				21.96	18.17	< 34.77
23255	784.5				22.12	18.33	< 34.77
23205	779.5	5	1	24	22.43	18.64	< 34.77
23230	782.0				21.61	17.82	< 34.77
23255	784.5				21.79	18.00	< 34.77
23205	779.5	5	25	0	21.22	17.43	< 34.77
23230	782.0				21.21	17.42	< 34.77
23255	784.5				21.03	17.24	< 34.77
23230	782.0	10	1	0	22.61	18.82	< 34.77
23230	782.0		1	24	22.56	18.77	< 34.77
23230	782.0		1	49	22.38	18.59	< 34.77
23230	782.0		50	0	21.02	17.23	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
23205	779.5	5	1	0	20.86	17.07	< 34.77
23230	782.0				20.85	17.06	< 34.77
23255	784.5				20.57	16.78	< 34.77
23205	779.5	5	1	12	21.00	17.21	< 34.77
23230	782.0				21.12	17.33	< 34.77
23255	784.5				21.36	17.57	< 34.77
23205	779.5	5	1	24	21.10	17.31	< 34.77
23230	782.0				20.54	16.75	< 34.77
23255	784.5				20.95	17.16	< 34.77
23205	779.5	5	25	0	20.12	16.33	< 34.77
23230	782.0				20.00	16.21	< 34.77
23255	784.5				19.94	16.15	< 34.77
23230	782.0	10	1	0	21.65	17.86	< 34.77
23230	782.0		1	24	21.71	17.92	< 34.77
23230	782.0		1	49	21.47	17.68	< 34.77
23230	782.0		50	0	20.09	16.30	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 17		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
QPSK							
23755	706.5	5	1	0	23.16	19.95	< 34.77
23790	710.0				23.06	19.85	< 34.77
23825	713.5				22.98	19.77	< 34.77
23755	706.5	5	1	12	23.08	19.87	< 34.77
23790	710.0				23.06	19.85	< 34.77
23825	713.5				22.80	19.59	< 34.77
23755	706.5	5	1	24	23.19	19.98	< 34.77
23790	710.0				22.95	19.74	< 34.77
23825	713.5				22.97	19.76	< 34.77
23755	706.5	5	25	0	22.33	19.12	< 34.77
23790	710.0				22.26	19.05	< 34.77
23825	713.5				22.11	18.90	< 34.77
23780	709.0	10	1	0	23.15	19.94	< 34.77
23790	710.0				23.62	20.41	< 34.77
23800	711.0				23.17	19.96	< 34.77
23780	709.0	10	1	24	23.20	19.99	< 34.77
23790	710.0				23.07	19.86	< 34.77
23800	711.0				22.96	19.75	< 34.77
23780	709.0	10	1	49	23.11	19.90	< 34.77
23790	710.0				22.81	19.60	< 34.77
23800	711.0				23.02	19.81	< 34.77
23780	709.0	10	50	0	22.30	19.09	< 34.77
23790	710.0				22.22	19.01	< 34.77
23800	711.0				22.21	19.00	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
16QAM							
23755	706.5	5	1	0	21.81	18.60	< 34.77
23790	710.0				21.61	18.40	< 34.77
23825	713.5				22.67	19.46	< 34.77
23755	706.5	5	1	12	22.01	18.80	< 34.77
23790	710.0				21.85	18.64	< 34.77
23825	713.5				22.44	19.23	< 34.77
23755	706.5	5	1	24	22.11	18.90	< 34.77
23790	710.0				22.37	19.16	< 34.77
23825	713.5				21.70	18.49	< 34.77
23755	706.5	5	25	0	21.28	18.07	< 34.77
23790	710.0				21.21	18.00	< 34.77
23825	713.5				21.20	17.99	< 34.77
23780	709.0	10	1	0	22.70	19.49	< 34.77
23790	710.0				22.21	19.00	< 34.77
23800	711.0				22.40	19.19	< 34.77
23780	709.0	10	1	24	22.16	18.95	< 34.77
23790	710.0				22.48	19.27	< 34.77
23800	711.0				22.60	19.39	< 34.77
23780	709.0	10	1	49	21.79	18.58	< 34.77
23790	710.0				22.52	19.31	< 34.77
23800	711.0				22.10	18.89	< 34.77
23780	709.0	10	50	0	21.31	18.10	< 34.77
23790	710.0				21.13	17.92	< 34.77
23800	711.0				21.22	18.01	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	ERP (dBm)	Limit (dBm)
64QAM							
23755	706.5	5	1	0	20.93	17.72	< 34.77
23790	710.0				21.03	17.82	< 34.77
23825	713.5				21.19	17.98	< 34.77
23755	706.5	5	1	12	21.24	18.03	< 34.77
23790	710.0				20.84	17.63	< 34.77
23825	713.5				21.09	17.88	< 34.77
23755	706.5	5	1	24	21.26	18.05	< 34.77
23790	710.0				21.23	18.02	< 34.77
23825	713.5				20.54	17.33	< 34.77
23755	706.5	5	25	0	19.97	16.76	< 34.77
23790	710.0				20.15	16.94	< 34.77
23825	713.5				20.28	17.07	< 34.77
23780	709.0	10	1	0	21.52	18.31	< 34.77
23790	710.0				21.35	18.14	< 34.77
23800	711.0				20.93	17.72	< 34.77
23780	709.0	10	1	24	21.30	18.09	< 34.77
23790	710.0				21.08	17.87	< 34.77
23800	711.0				20.83	17.62	< 34.77
23780	709.0	10	1	49	20.86	17.65	< 34.77
23790	710.0				21.59	18.38	< 34.77
23800	711.0				21.02	17.81	< 34.77
23780	709.0	10	50	0	20.27	17.06	< 34.77
23790	710.0				20.18	16.97	< 34.77
23800	711.0				20.29	17.08	< 34.77
Note: The ERP (dBm) = Output Power (dBm) + Antenna Gain (dBi) - 2.15							

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 38/41		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39675	2498.50	5	1	0	22.45	23.39	< 33.01
40620	2593.00				21.71	22.65	< 33.01
40565	2687.50				21.52	22.46	< 33.01
39675	2498.50	5	1	12	22.71	23.65	< 33.01
40620	2593.00				21.46	22.40	< 33.01
40565	2687.50				21.55	22.49	< 33.01
39675	2498.50	5	1	24	22.60	23.54	< 33.01
40620	2593.00				21.40	22.34	< 33.01
40565	2687.50				21.49	22.43	< 33.01
39675	2498.50	5	25	0	21.78	22.72	< 33.01
40620	2593.00				20.66	21.60	< 33.01
40565	2687.50				20.71	21.65	< 33.01
39700	2501.00	10	1	0	22.65	23.59	< 33.01
40620	2593.00				22.01	22.95	< 33.01
41540	2685.00				22.00	22.94	< 33.01
39700	2501.00	10	1	24	22.88	23.82	< 33.01
40620	2593.00				21.62	22.56	< 33.01
41540	2685.00				22.09	23.03	< 33.01
39700	2501.00	10	1	49	22.73	23.67	< 33.01
40620	2593.00				21.75	22.69	< 33.01
41540	2685.00				21.68	22.62	< 33.01
39700	2501.00	10	50	0	21.68	22.62	< 33.01
40620	2593.00				20.73	21.67	< 33.01
41540	2685.00				20.85	21.79	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
QPSK							
39725	2503.50	15	1	0	22.76	23.70	< 33.01
40620	2593.00				21.76	22.70	< 33.01
41515	2682.50				21.87	22.81	< 33.01
39725	2503.50	15	1	37	22.85	23.79	< 33.01
40620	2593.00				21.83	22.77	< 33.01
41515	2682.50				21.81	22.75	< 33.01
39725	2503.50	15	1	74	22.69	23.63	< 33.01
40620	2593.00				21.56	22.50	< 33.01
41515	2682.50				21.89	22.83	< 33.01
39725	2503.50	15	75	0	21.72	22.66	< 33.01
40620	2593.00				20.64	21.58	< 33.01
41515	2682.50				20.86	21.80	< 33.01
39750	2506.00	20	1	0	22.55	23.49	< 33.01
40620	2593.00				21.93	22.87	< 33.01
41490	2680.00				21.79	22.73	< 33.01
39750	2506.00	20	1	49	22.99	23.93	< 33.01
40620	2593.00				22.07	23.01	< 33.01
41490	2680.00				22.05	22.99	< 33.01
39750	2506.00	20	1	99	22.65	23.59	< 33.01
40620	2593.00				21.53	22.47	< 33.01
41490	2680.00				21.95	22.89	< 33.01
39750	2506.00	20	100	0	21.62	22.56	< 33.01
40620	2593.00				20.70	21.64	< 33.01
41490	2680.00				20.91	21.85	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39675	2498.50	5	1	0	21.98	22.92	< 33.01
40620	2593.00				21.29	22.23	< 33.01
40565	2687.50				20.39	21.33	< 33.01
39675	2498.50	5	1	12	22.10	23.04	< 33.01
40620	2593.00				21.03	21.97	< 33.01
40565	2687.50				20.51	21.45	< 33.01
39675	2498.50	5	1	24	21.77	22.71	< 33.01
40620	2593.00				20.96	21.90	< 33.01
40565	2687.50				20.40	21.34	< 33.01
39675	2498.50	5	25	0	20.82	21.76	< 33.01
40620	2593.00				19.75	20.69	< 33.01
40565	2687.50				19.98	20.92	< 33.01
39700	2501.00	10	1	0	21.78	22.72	< 33.01
40620	2593.00				21.32	22.26	< 33.01
41540	2685.00				21.70	22.64	< 33.01
39700	2501.00	10	1	24	21.79	22.73	< 33.01
40620	2593.00				21.18	22.12	< 33.01
41540	2685.00				21.40	22.34	< 33.01
39700	2501.00	10	1	49	21.58	22.52	< 33.01
40620	2593.00				21.45	22.39	< 33.01
41540	2685.00				20.90	21.84	< 33.01
39700	2501.00	10	50	0	20.72	21.66	< 33.01
40620	2593.00				19.91	20.85	< 33.01
41540	2685.00				19.88	20.82	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
16QAM							
39725	2503.50	15	1	0	22.20	23.14	< 33.01
40620	2593.00				20.82	21.76	< 33.01
41515	2682.50				21.09	22.03	< 33.01
39725	2503.50	15	1	37	22.25	23.19	< 33.01
40620	2593.00				21.17	22.11	< 33.01
41515	2682.50				21.03	21.97	< 33.01
39725	2503.50	15	1	74	22.19	23.13	< 33.01
40620	2593.00				20.93	21.87	< 33.01
41515	2682.50				21.17	22.11	< 33.01
39725	2503.50	15	75	0	20.68	21.62	< 33.01
40620	2593.00				19.71	20.65	< 33.01
41515	2682.50				20.02	20.96	< 33.01
39750	2506.00	20	1	0	21.43	22.37	< 33.01
40620	2593.00				21.02	21.96	< 33.01
41490	2680.00				21.49	22.43	< 33.01
39750	2506.00	20	1	49	21.89	22.83	< 33.01
40620	2593.00				21.18	22.12	< 33.01
41490	2680.00				21.43	22.37	< 33.01
39750	2506.00	20	1	99	21.51	22.45	< 33.01
40620	2593.00				21.08	22.02	< 33.01
41490	2680.00				21.49	22.43	< 33.01
39750	2506.00	20	100	0	20.54	21.48	< 33.01
40620	2593.00				19.84	20.78	< 33.01
41490	2680.00				19.84	20.78	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
39675	2498.50	5	1	0	20.90	21.84	< 33.01
40620	2593.00				19.47	20.41	< 33.01
40565	2687.50				20.80	21.74	< 33.01
39675	2498.50	5	1	12	20.32	21.26	< 33.01
40620	2593.00				19.99	20.93	< 33.01
40565	2687.50				20.60	21.54	< 33.01
39675	2498.50	5	1	24	20.29	21.23	< 33.01
40620	2593.00				19.94	20.88	< 33.01
40565	2687.50				20.55	21.49	< 33.01
39675	2498.50	5	25	0	19.84	20.78	< 33.01
40620	2593.00				18.82	19.76	< 33.01
40565	2687.50				19.04	19.98	< 33.01
39700	2501.00	10	1	0	20.47	21.41	< 33.01
40620	2593.00				20.56	21.50	< 33.01
41540	2685.00				20.08	21.02	< 33.01
39700	2501.00	10	1	24	20.24	21.18	< 33.01
40620	2593.00				19.68	20.62	< 33.01
41540	2685.00				19.95	20.89	< 33.01
39700	2501.00	10	1	49	20.29	21.23	< 33.01
40620	2593.00				19.82	20.76	< 33.01
41540	2685.00				19.52	20.46	< 33.01
39700	2501.00	10	50	0	19.71	20.65	< 33.01
40620	2593.00				19.06	20.00	< 33.01
41540	2685.00				18.87	19.81	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	RB Size	RB Offset	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
64QAM							
39725	2503.50	15	1	0	20.66	21.60	< 33.01
40620	2593.00				20.25	21.19	< 33.01
41515	2682.50				20.29	21.23	< 33.01
39725	2503.50	15	1	37	20.74	21.68	< 33.01
40620	2593.00				20.19	21.13	< 33.01
41515	2682.50				20.09	21.03	< 33.01
39725	2503.50	15	1	74	20.60	21.54	< 33.01
40620	2593.00				20.76	21.70	< 33.01
41515	2682.50				20.41	21.35	< 33.01
39725	2503.50	15	75	0	19.72	20.66	< 33.01
40620	2593.00				18.77	19.71	< 33.01
41515	2682.50				18.94	19.88	< 33.01
39750	2506.00	20	1	0	20.53	21.47	< 33.01
40620	2593.00				20.26	21.20	< 33.01
41490	2680.00				20.27	21.21	< 33.01
39750	2506.00	20	1	49	20.76	21.70	< 33.01
40620	2593.00				20.69	21.63	< 33.01
41490	2680.00				20.62	21.56	< 33.01
39750	2506.00	20	1	99	20.57	21.51	< 33.01
40620	2593.00				20.02	20.96	< 33.01
41490	2680.00				20.71	21.65	< 33.01
39750	2506.00	20	100	0	19.65	20.59	< 33.01
40620	2593.00				18.80	19.74	< 33.01
41490	2680.00				18.70	19.64	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

5.5. Band Edge Measurement

5.5.1. Test Limit

22.917(a), 24.238 (a), 27.53 (g) (h)

For operations in the 824 ~ 849 MHz, 1850 ~ 1910 MHz, 1930 ~ 1990 MHz, 600MHz & 698 ~ 746 MHz and 1710 ~ 1755 MHz, the FCC limit is $43 + 10\log_{10}(P_{\text{Watts}})$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (c)

For operations in the 776-788 MHz band, the FCC limit is $43 + 10\log_{10}(P_{\text{Watts}})$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed. In addition, the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least $65 + 10 \log_{10} (P_{\text{Watts}})$, dB, for mobile and portable equipment.

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

5.5.2. Test Procedure

ANSI C63.26-2015 - Section 5.7

5.5.3.Test Setting

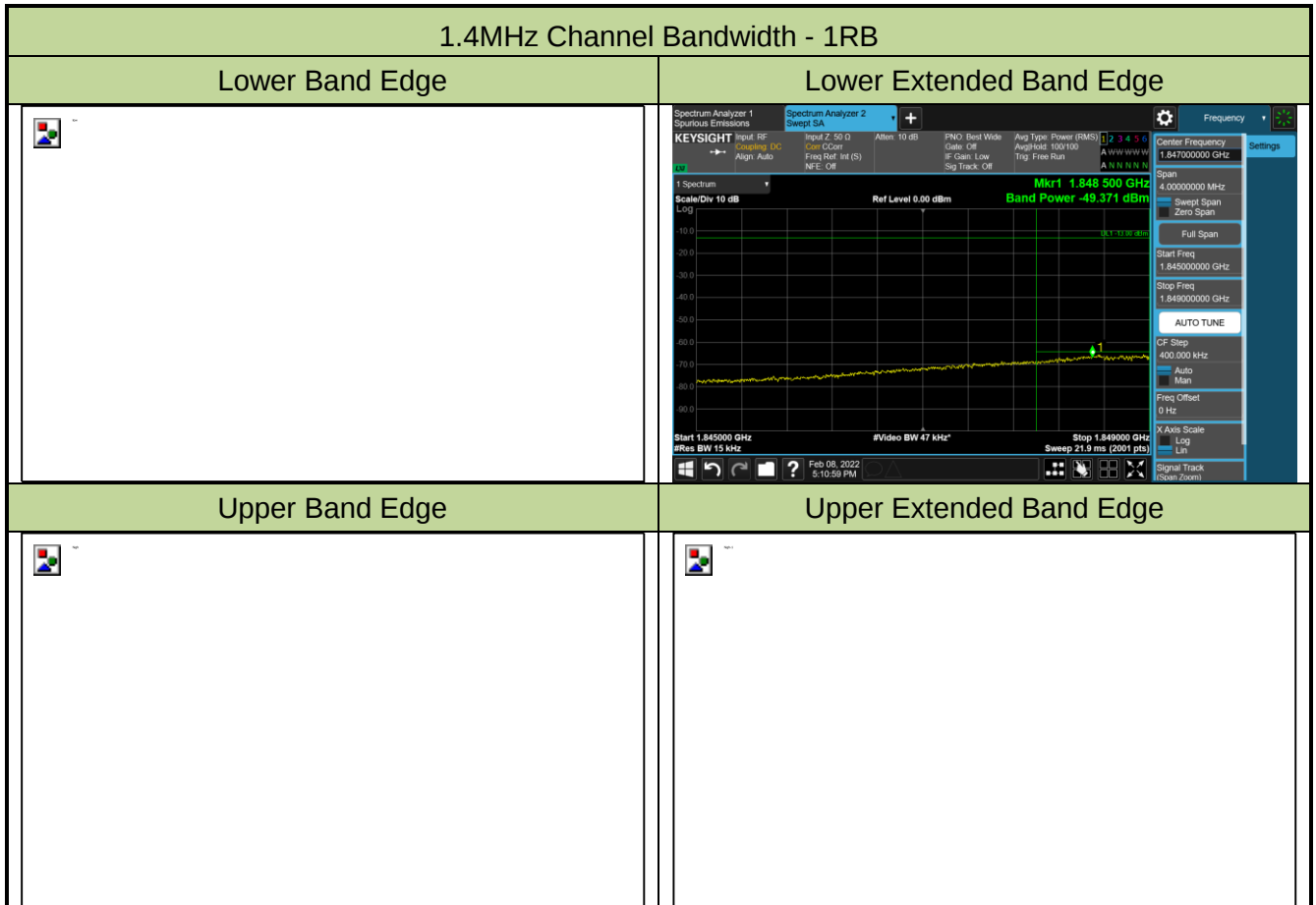
1. Set the analyzer frequency to low or high channel
2. $RBW \geq$ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. $VBW \geq 3 \cdot RBW$
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.
To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.5.4.Test Setup



5.5.5. Test Result

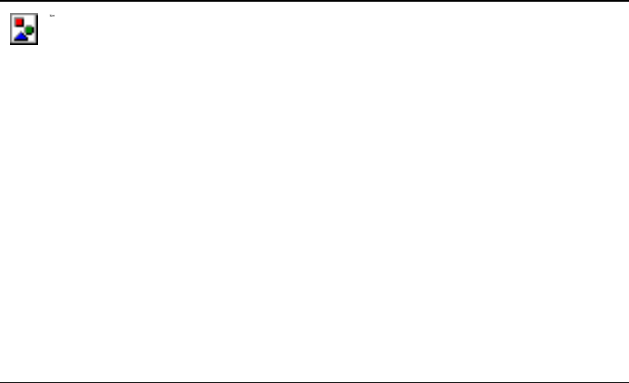
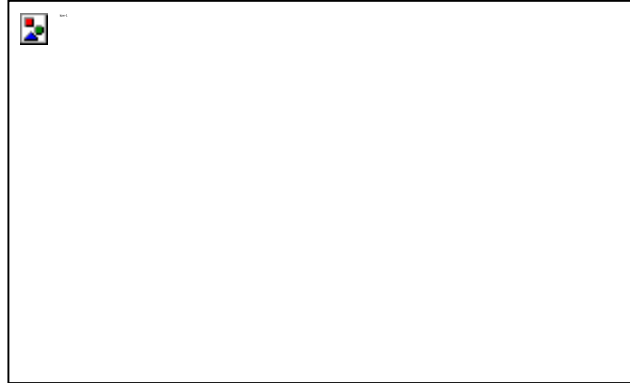
Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2021/12/23~2022/02/08
Test Band	LTE Band 2/25_QPSK		



3MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

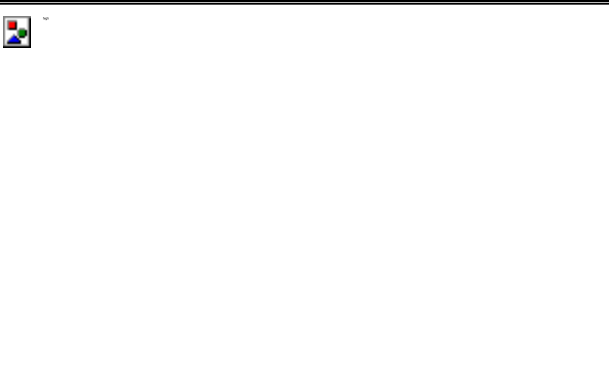
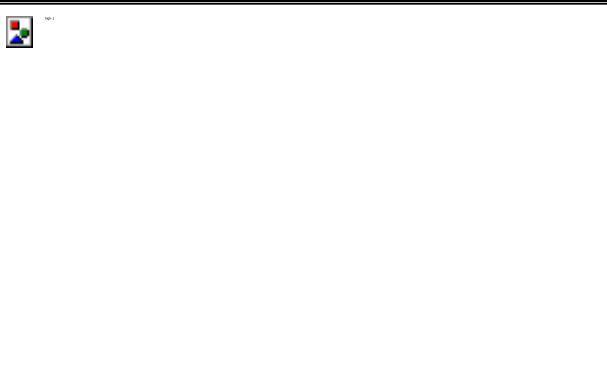
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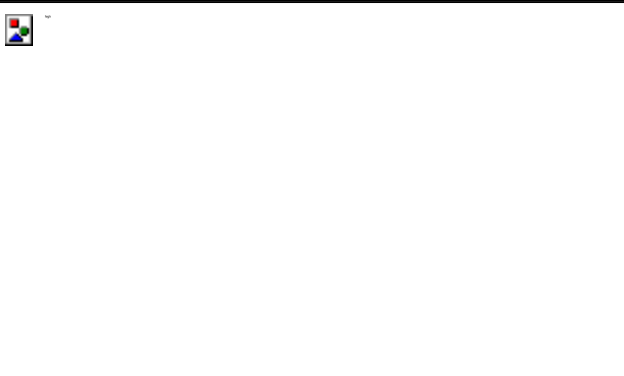
20MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

1.4MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

5MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
10MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

1.4MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	

10MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	
15MHz Channel Bandwidth - 1RB	
Upper Band Edge	
	
20MHz Channel Bandwidth - 1RB	
Upper Band Edge	
	

1.4MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	

10MHz Channel Bandwidth - Full RB	
Upper Band Edge	
	
15MHz Channel Bandwidth - Full RB	
Upper Band Edge	
	
20MHz Channel Bandwidth - Full RB	
Upper Band Edge	
	

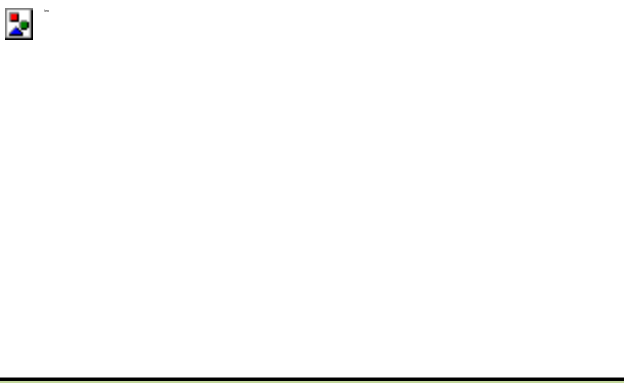
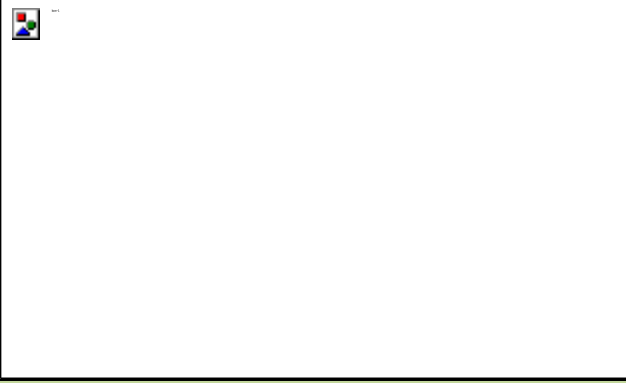
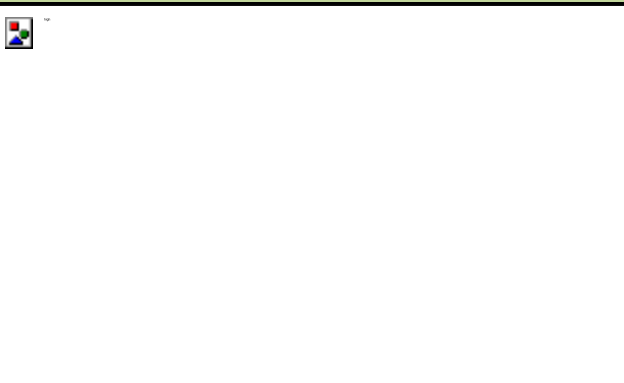
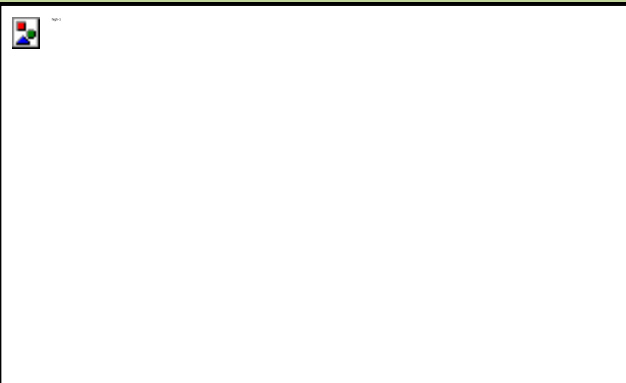
Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/13
Test Band	LTE Band 4/66_QPSK		

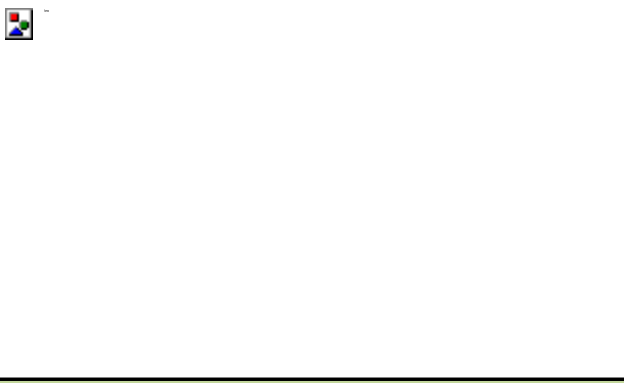
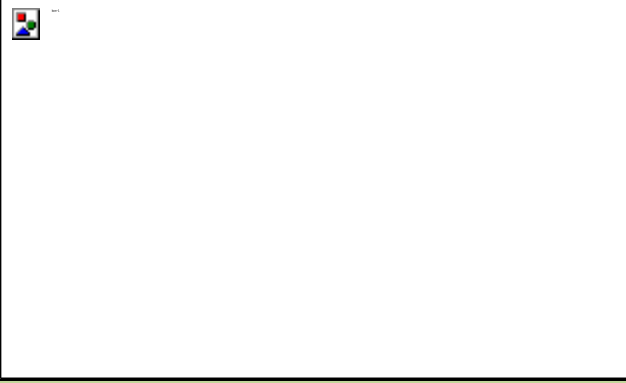
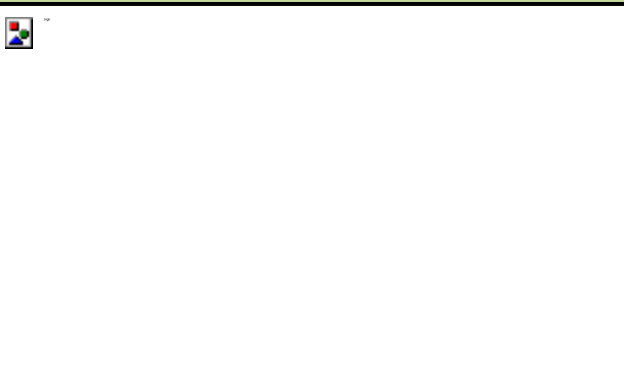
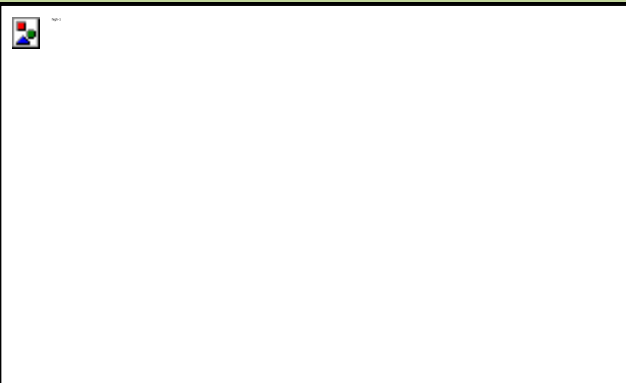
1.4MHz Channel Bandwidth - 1RB			
Lower Band Edge		Lower Extended Band Edge	
			
Upper Band Edge		Upper Extended Band Edge	
			
3MHz Channel Bandwidth - 1RB			
Lower Band Edge		Lower Extended Band Edge	
			

Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

10MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

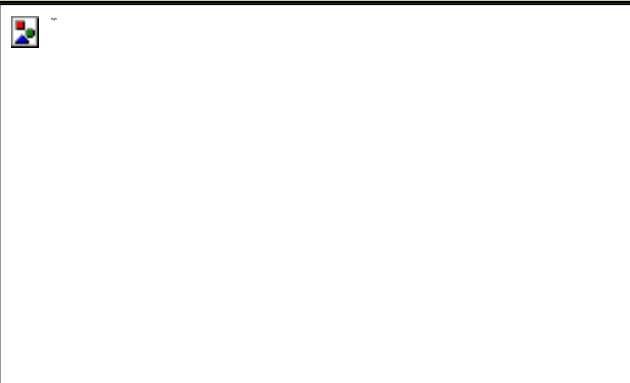
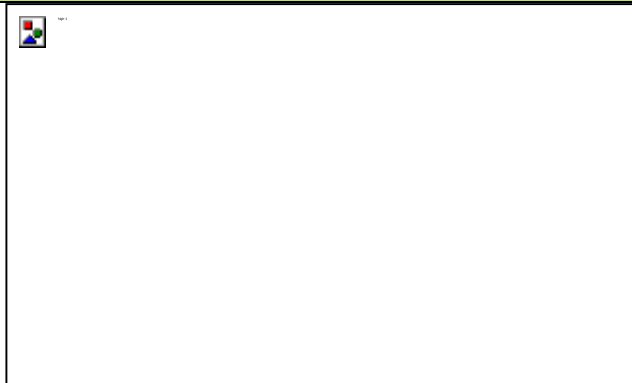
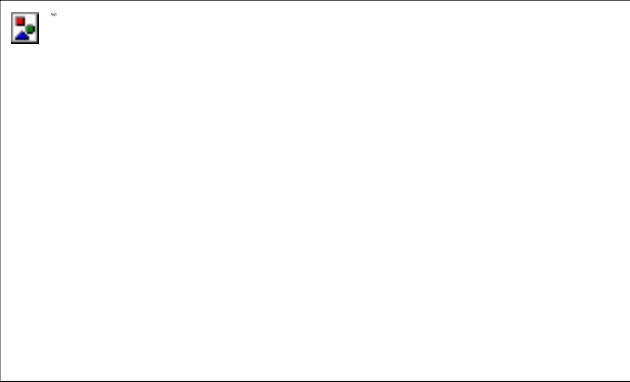
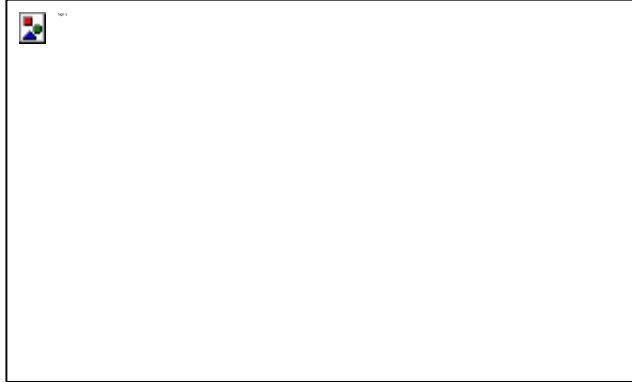
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1.4MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

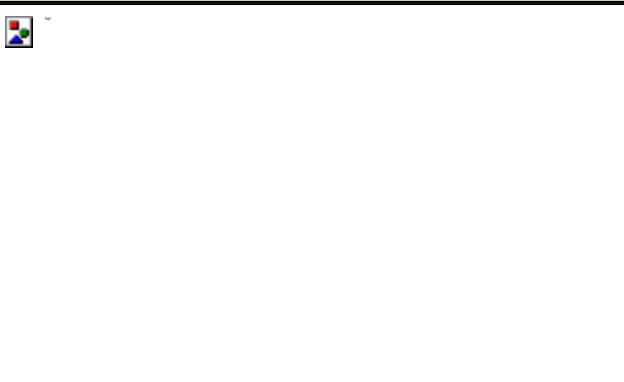
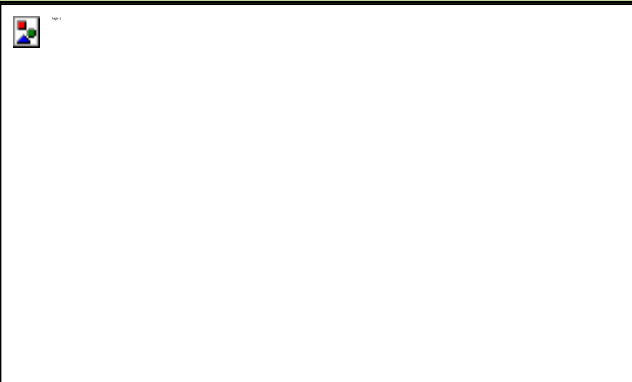
5MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	
10MHz Channel Bandwidth - Full RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/13
Test Band	LTE Band 66_QPSK		

1.4MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - 1RB	
Upper Band Edge	Upper Extended Band Edge
	

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1.4MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	
3MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	
5MHz Channel Bandwidth - Full RB	
Upper Band Edge	Upper Extended Band Edge
	

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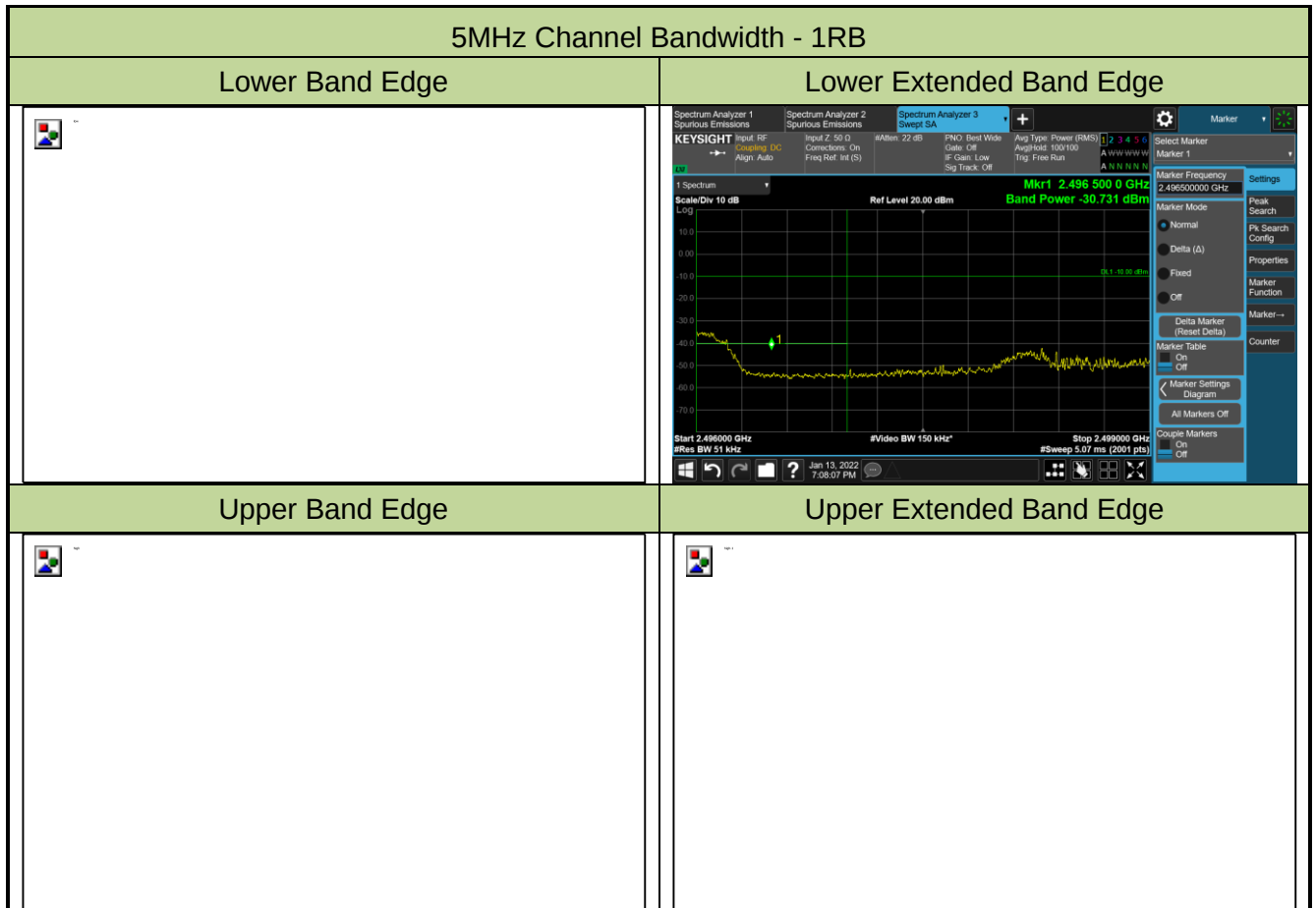
1.4MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	
3MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	
5MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

10MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	
15MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

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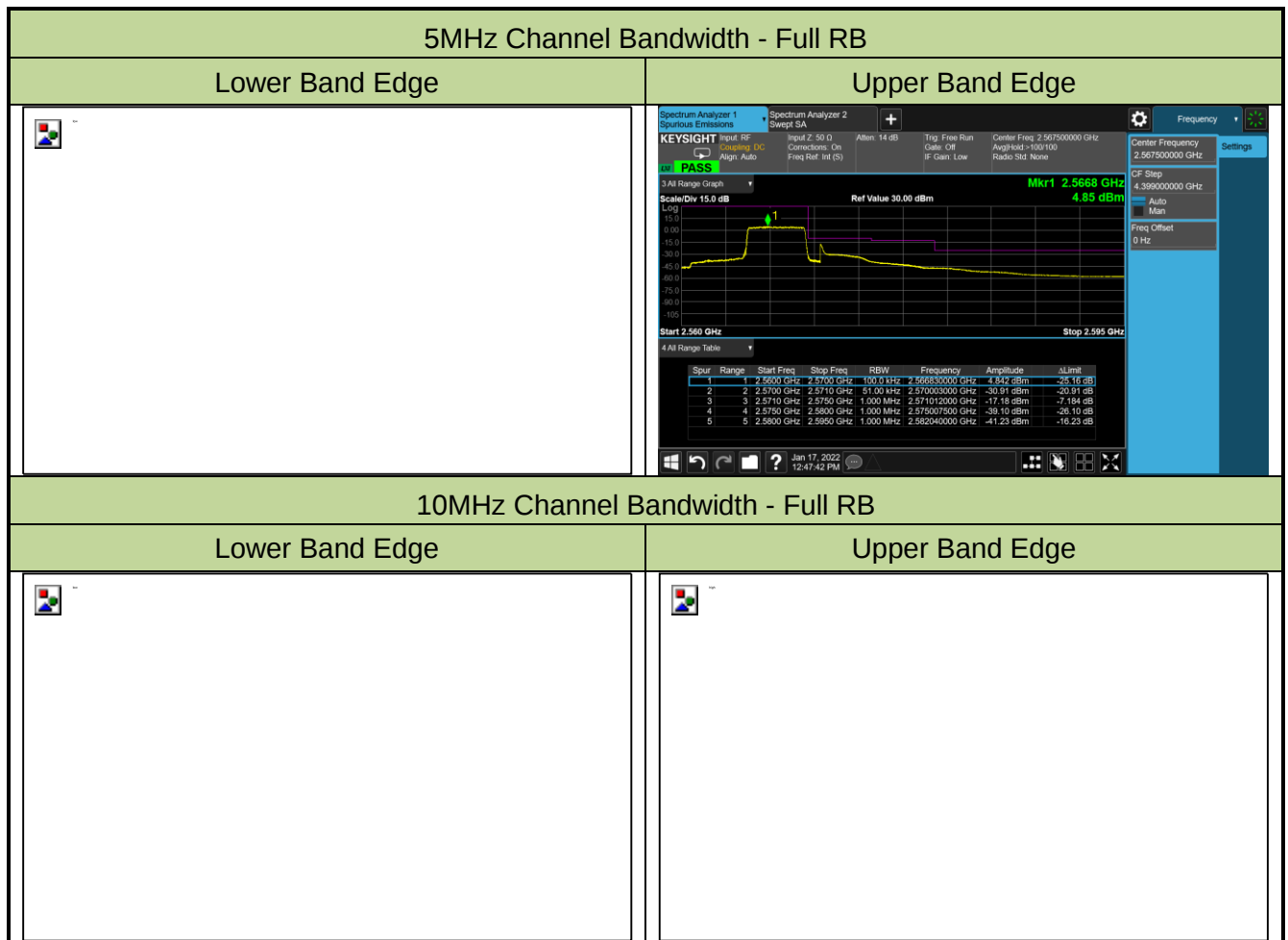
10MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2021/12/23 ~ 2022/01/17
Test Band	LTE Band 7_QPSK		



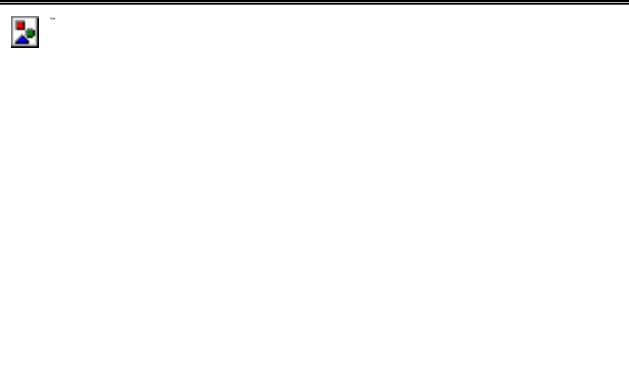
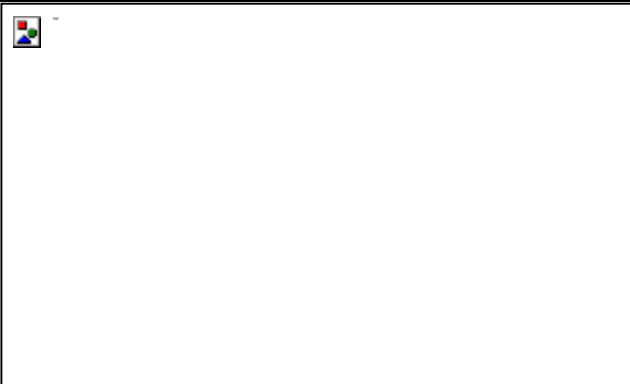
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20MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

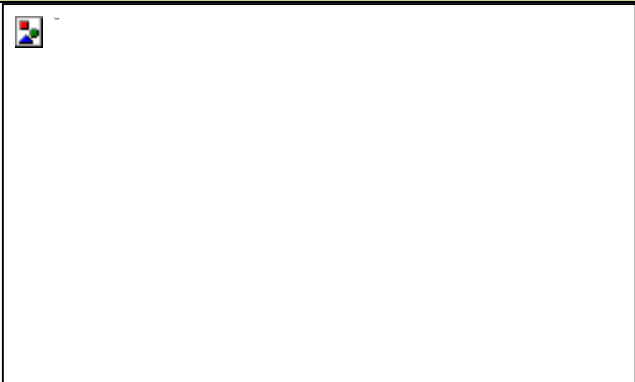
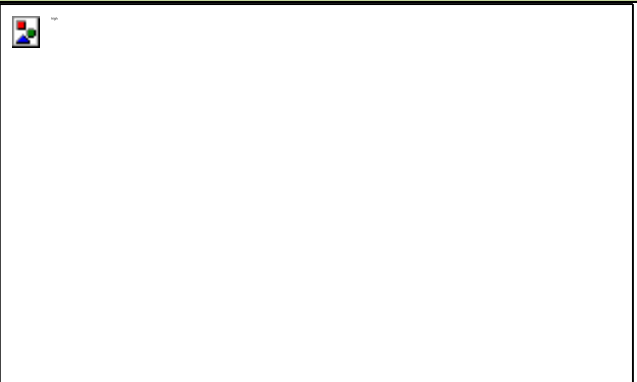


15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/13
Test Band	LTE Band 12_QPSK		

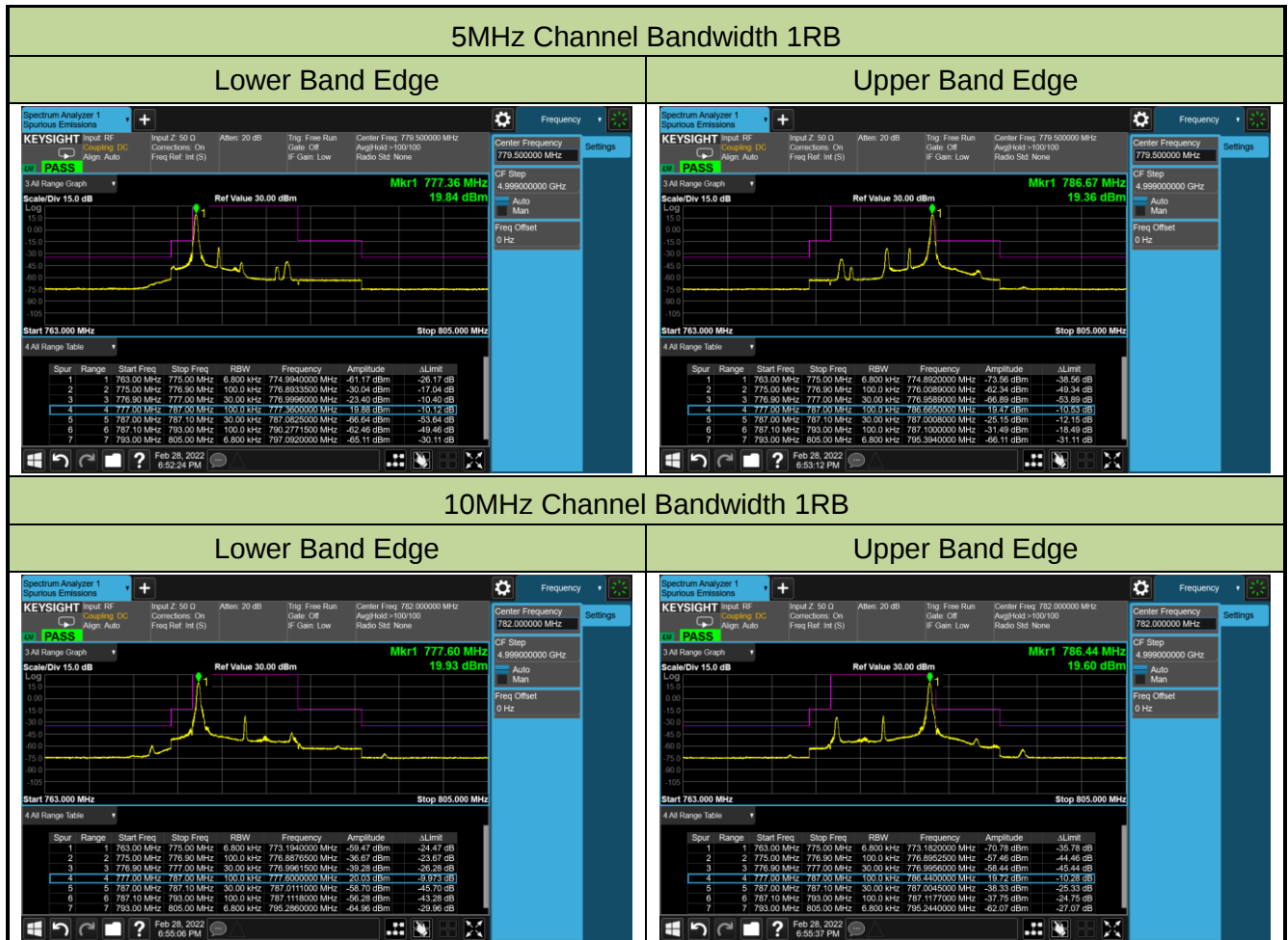
1.4MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	
3MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	
5MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	

10MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	

1.4MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
3MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
5MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	

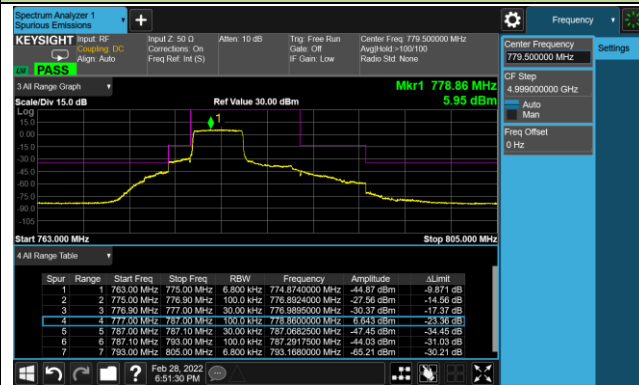
10MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/02/28
Test Band	LTE Band 13_QPSK		

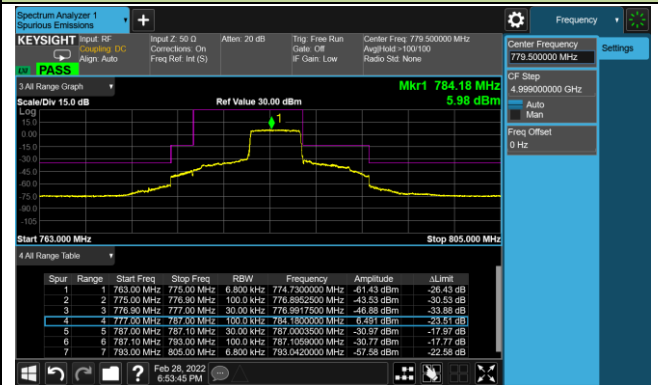


5MHz Channel Bandwidth Full RB

Lower Band Edge

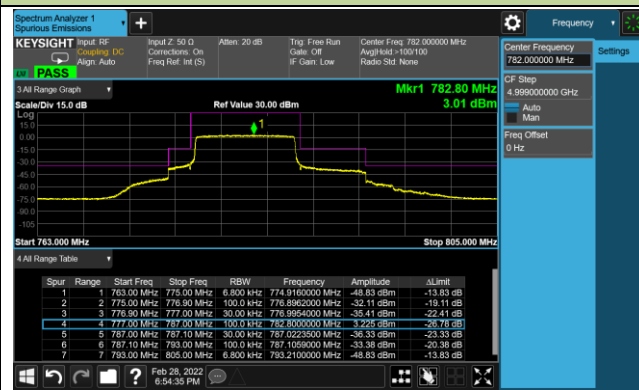


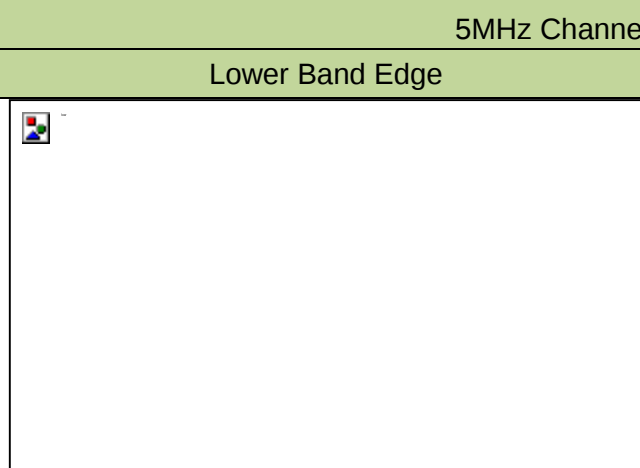
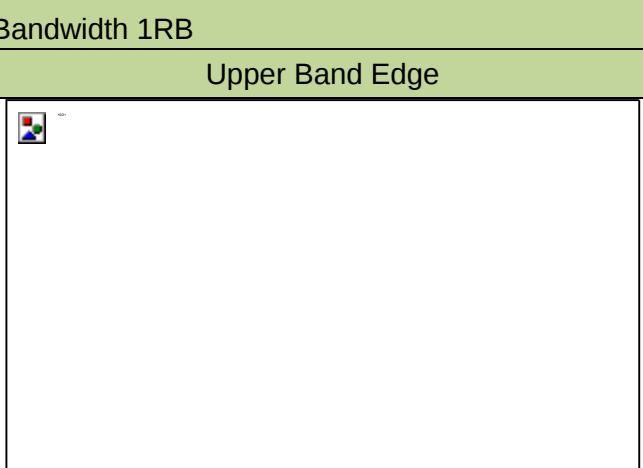
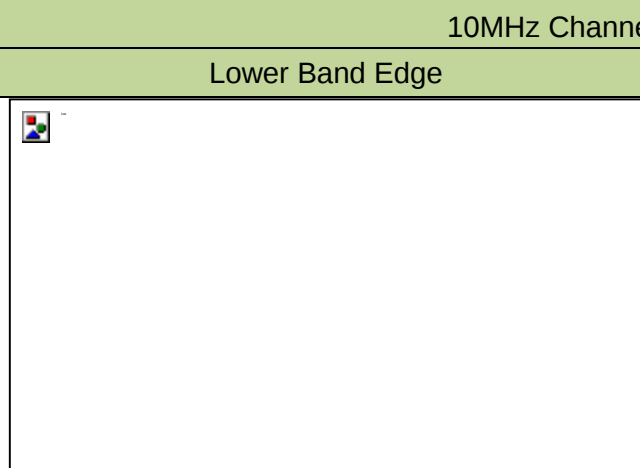
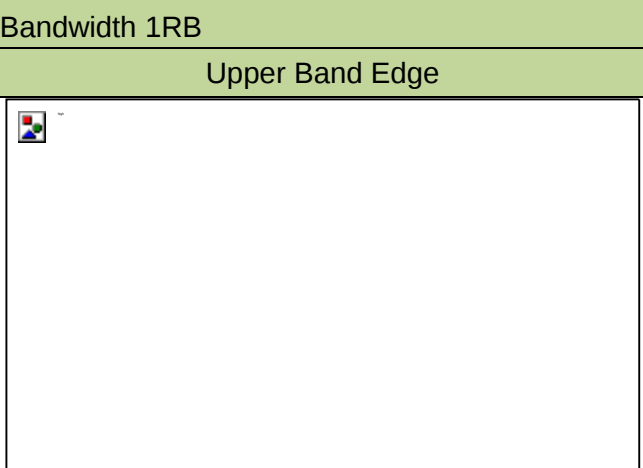
Upper Band Edge



10MHz Channel Bandwidth Full RB

Middle Band Edge

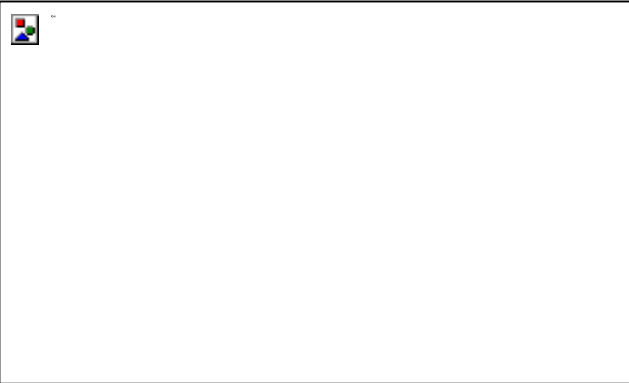
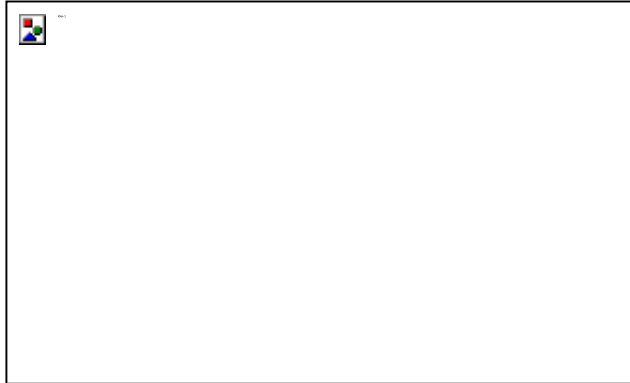
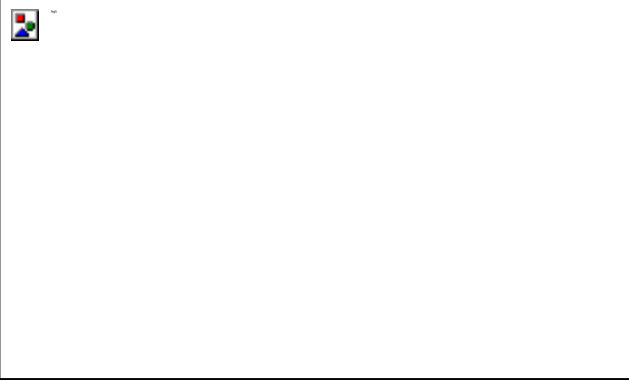


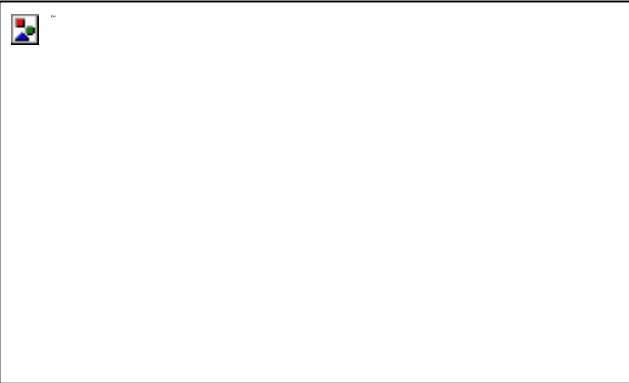
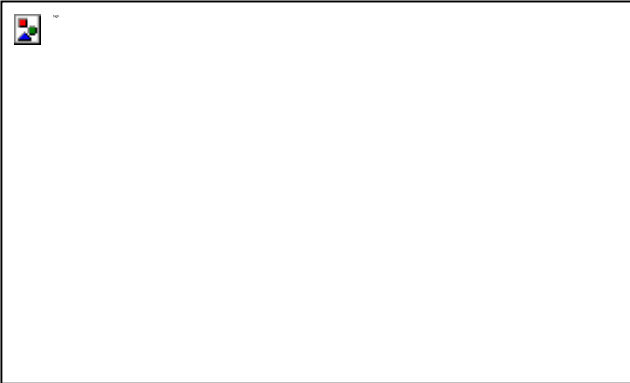
5MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	
10MHz Channel Bandwidth 1RB	
Lower Band Edge	Upper Band Edge
	

5MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
10MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	

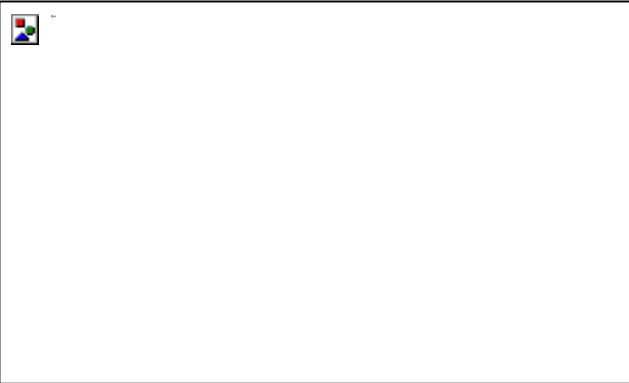
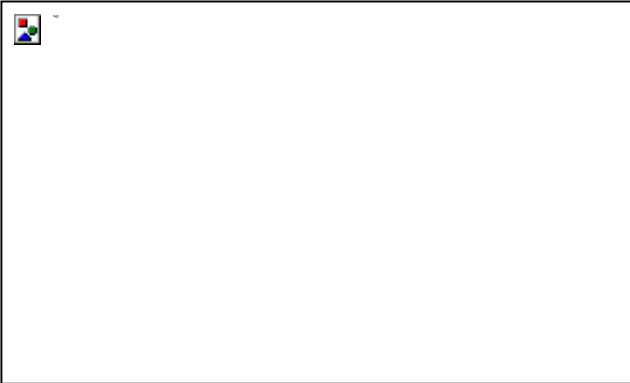
Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/14
Test Band	LTE Band 38 _QPSK		

5MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

10MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	
	

15MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

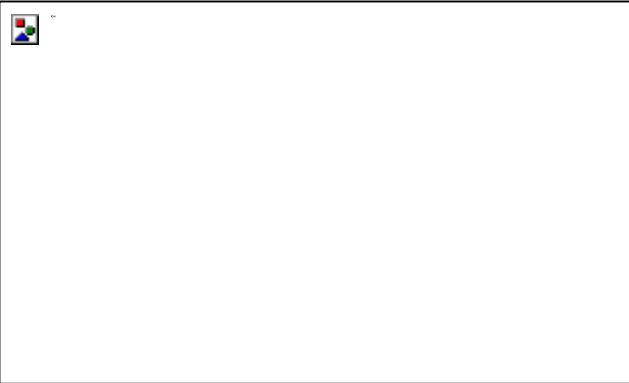
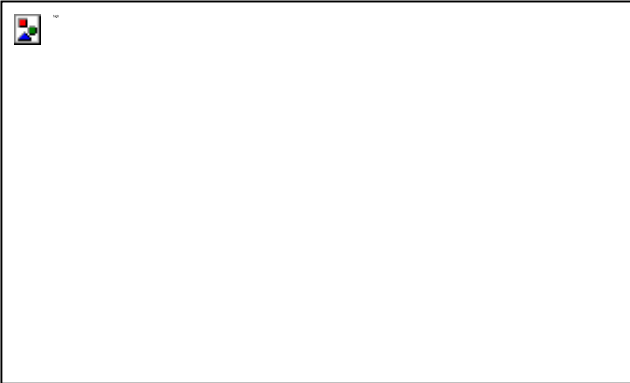
5MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
10MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/14
Test Band	LTE Band 41		

5MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

10MHz Channel Bandwidth - 1RB	
Lower Band Edge	Lower Extended Band Edge
	
Upper Band Edge	Upper Extended Band Edge
	

15MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - 1RB	
Lower Band Edge	Upper Band Edge
	

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15MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	
20MHz Channel Bandwidth - Full RB	
Lower Band Edge	Upper Band Edge
	

5.6. Peak to Average Ratio Measurement

5.6.1. Test Limit

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

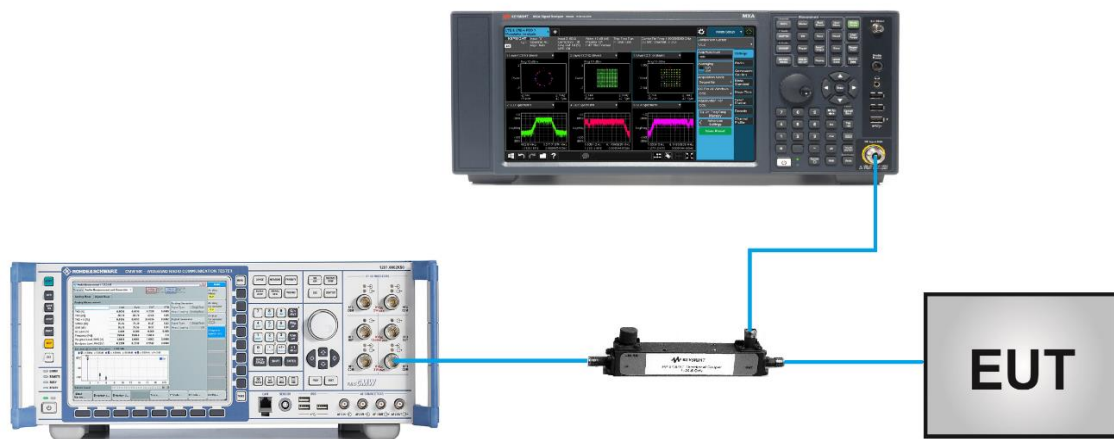
5.6.2. Test Procedure

ANSI C63.26-2015 - Section 5.2.3.4 (CCDF).

5.6.3. Test Setting

1. Set the resolution / measurement bandwidth $\geq$ signal's occupied bandwidth
2. Set the number of counts to a value that stabilizes the measured CCDF curve
3. Record the maximum PARR level associated with a probability of 0.1%

5.6.4. Test Setup



5.6.5.Test Result

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	Band 2/25		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
26365	1882.5	20	5.19	≤ 13.00	Pass
16QAM					
26365	1882.5	20	6.10	≤ 13.00	Pass
64QAM					
26365	1882.5	20	6.68	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

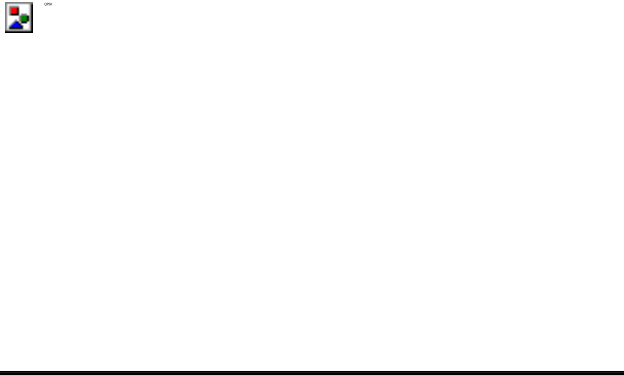
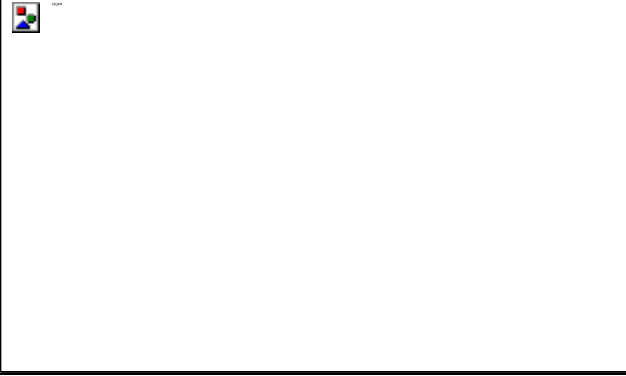
Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	Band 4/66		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
132322	1745.0	20	5.19	≤ 13.00	Pass
16QAM					
132322	1745.0	20	6.03	≤ 13.00	Pass
64QAM					
132322	1745.0	20	6.65	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	Band 5/26		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
20525	836.5	10	4.98	≤ 13.00	Pass
16QAM					
20525	836.5	10	5.88	≤ 13.00	Pass
64QAM					
20525	836.5	10	6.57	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	LTE Band 7		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
21100	2535.0	20	4.94	≤ 13.00	Pass
16QAM					
21100	2535.0	20	5.79	≤ 13.00	Pass
64QAM					
21100	2535.0	20	6.15	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	LTE Band 12		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
26365	707.5	10	5.05	≤ 13.00	Pass
16QAM					
26365	707.5	10	5.94	≤ 13.00	Pass
64QAM					
26365	707.5	10	6.65	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	LTE Band 13		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
132322	782	10	4.66	≤ 13.00	Pass
16QAM					
132322	782	10	5.51	≤ 13.00	Pass
64QAM					
132322	782	10	6.24	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/10
Test Band	LTE Band 17		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
23790	710.0	10	4.96	≤ 13.00	Pass
16QAM					
23790	710.0	10	5.85	≤ 13.00	Pass
64QAM					
23790	710.0	10	6.59	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 38/41		

Channel No.	Frequency (MHz)	Channel Bandwidth (MHz)	Peak to Average Ratio (dB)	Limit (dB)	Result
QPSK					
40620	2593.0	20	5.37	≤ 13.00	Pass
16QAM					
40620	2593.0	20	6.05	≤ 13.00	Pass
64QAM					
40620	2593.0	20	6.36	≤ 13.00	Pass

QPSK	16QAM
	
64QAM	
	

5.7. Conducted Spurious Emission Measurement

5.7.1. Test Limit

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

For Band 7, 38/41 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB.

5.7.2. Test Procedure

ANSI C63.26-2015 - Section 5.7

5.7.3. Test Setting

1. Set the analyzer frequency to low, mid, high channel.
 2. RBW = 1MHz
 3. VBW $\geq 3 \times$ RBW
 4. Sweep time = auto
 5. Detector = power averaging (rms)
 6. Set sweep trigger to "free run."
 7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power.
 8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.
- To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

5.7.4.Test Setup



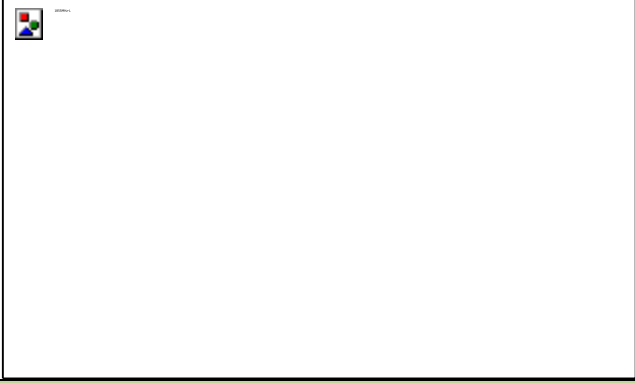
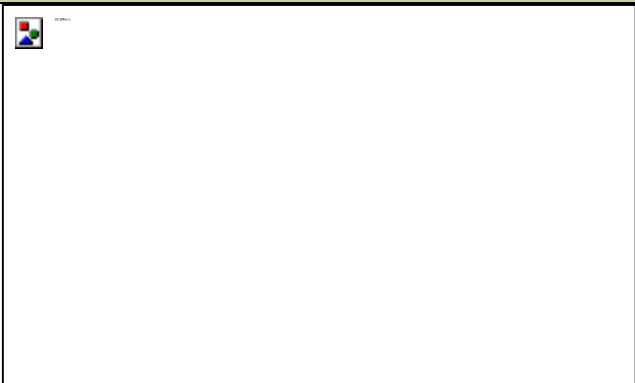
5.7.5.Test Result

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 2/25_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
26047	1850.7	1.4	30 ~ 20000	-45.50	≤ -13.00	Pass
26365	1882.5	1.4	30 ~ 20000	-46.40	≤ -13.00	Pass
26683	1914.3	1.4	30 ~ 20000	-36.53	≤ -13.00	Pass
26055	1851.5	3	30 ~ 20000	-36.42	≤ -13.00	Pass
26365	1882.5	3	30 ~ 20000	-36.48	≤ -13.00	Pass
26675	1913.5	3	30 ~ 20000	-36.52	≤ -13.00	Pass
26065	1852.5	5	30 ~ 20000	-36.64	≤ -13.00	Pass
26365	1882.5	5	30 ~ 20000	-36.36	≤ -13.00	Pass
26665	1912.5	5	30 ~ 20000	-34.40	≤ -13.00	Pass
16390	1855.0	10	30 ~ 20000	-36.73	≤ -13.00	Pass
26365	1882.5	10	30 ~ 20000	-36.66	≤ -13.00	Pass
26640	1910.0	10	30 ~ 20000	-36.68	≤ -13.00	Pass
26115	1857.5	15	30 ~ 20000	-36.73	≤ -13.00	Pass
26365	1882.5	15	30 ~ 20000	-36.72	≤ -13.00	Pass
26615	1907.5	15	30 ~ 20000	-36.91	≤ -13.00	Pass
26140	1860.0	20	30 ~ 20000	-36.81	≤ -13.00	Pass
26365	1882.5	20	30 ~ 20000	-36.95	≤ -13.00	Pass
26590	1905.0	20	30 ~ 20000	-36.70	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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5MHz Channel Bandwidth	
Channel 26065 (1852.5MHz)	Channel 26365 (1882.5MHz)
	
Channel 26665 (1912.5MHz)	
	
10MHz Channel Bandwidth	
Channel 16390 (1855MHz)	Channel 26365 (1882.5MHz)
	
Channel 26640 (1910MHz)	
	

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Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 4/66_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
131979	1710.7	1.4	30 ~ 20000	-36.91	≤ -13.00	Pass
132322	1745.0	1.4	30 ~ 20000	-36.97	≤ -13.00	Pass
132665	1779.3	1.4	30 ~ 20000	-36.96	≤ -13.00	Pass
131987	1711.5	3	30 ~ 20000	-36.78	≤ -13.00	Pass
132322	1745.0	3	30 ~ 20000	-36.85	≤ -13.00	Pass
132657	1778.5	3	30 ~ 20000	-36.94	≤ -13.00	Pass
131997	1712.5	5	30 ~ 20000	-36.89	≤ -13.00	Pass
132322	1745.0	5	30 ~ 20000	-36.89	≤ -13.00	Pass
132647	1777.5	5	30 ~ 20000	-31.99	≤ -13.00	Pass
132022	1715.0	10	30 ~ 20000	-31.88	≤ -13.00	Pass
132322	1745.0	10	30 ~ 20000	-36.83	≤ -13.00	Pass
132622	1775.0	10	30 ~ 20000	-36.68	≤ -13.00	Pass
132047	1717.5	15	30 ~ 20000	-36.77	≤ -13.00	Pass
132322	1745.0	15	30 ~ 20000	-36.87	≤ -13.00	Pass
132597	1772.5	15	30 ~ 20000	-36.84	≤ -13.00	Pass
132072	1720.0	20	30 ~ 20000	-36.85	≤ -13.00	Pass
132322	1745.0	20	30 ~ 20000	-36.90	≤ -13.00	Pass
132572	1770.0	20	30 ~ 20000	-36.72	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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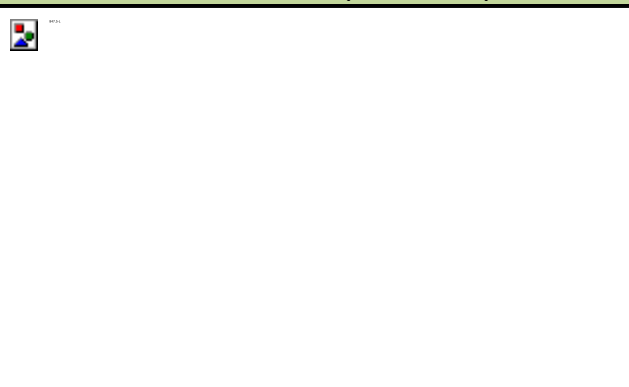
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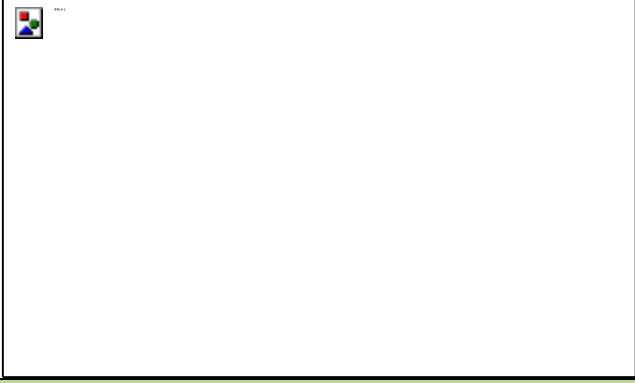
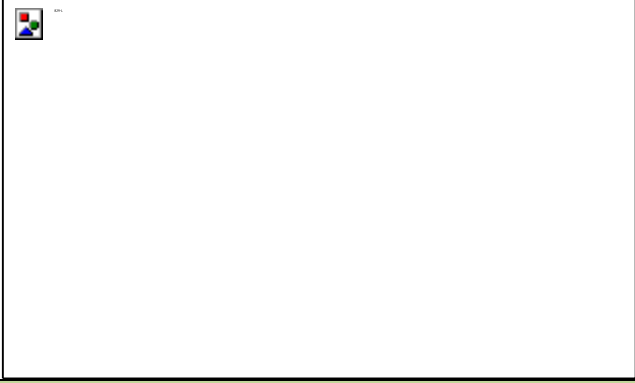
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Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 5/26_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
26797	824.7	1.4	30 ~ 10000	-28.46	≤ -13.00	Pass
26915	836.5	1.4	30 ~ 10000	-27.46	≤ -13.00	Pass
27033	848.3	1.4	30 ~ 10000	-28.22	≤ -13.00	Pass
26805	825.5	3	30 ~ 10000	-29.19	≤ -13.00	Pass
26915	836.5	3	30 ~ 10000	-27.19	≤ -13.00	Pass
27025	847.5	3	30 ~ 10000	-28.55	≤ -13.00	Pass
26815	826.5	5	30 ~ 10000	-28.64	≤ -13.00	Pass
26915	836.5	5	30 ~ 10000	-27.93	≤ -13.00	Pass
27015	846.5	5	30 ~ 10000	-28.06	≤ -13.00	Pass
26840	829.0	10	30 ~ 10000	-28.13	≤ -13.00	Pass
26915	836.5	10	30 ~ 10000	-27.83	≤ -13.00	Pass
26990	844.0	10	30 ~ 10000	-27.85	≤ -13.00	Pass
26865	831.5	15	30 ~ 10000	-27.51	≤ -13.00	Pass
26915	836.5	15	30 ~ 10000	-27.02	≤ -13.00	Pass
26965	841.5	15	30 ~ 10000	-29.10	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

1.4MHz Channel Bandwidth	
Channel 26697 (814.7MHz)	Channel 25865 (831.5MHz)
	
Channel 27033 (848.3MHz)	
	
3MHz Channel Bandwidth	
Channel 26705 (815.5MHz)	Channel 26865 (831.5MHz)
	
Channel 27025 (847.5MHz)	
	

5MHz Channel Bandwidth	
Channel 26715 (816.5MHz)	Channel 26865 (831.5MHz)
	
Channel 27015 (846.5MHz)	
	
10MHz Channel Bandwidth	
Channel 26740 (819MHz)	Channel 26865 (831.5MHz)
	
Channel 26990 (844MHz)	
	

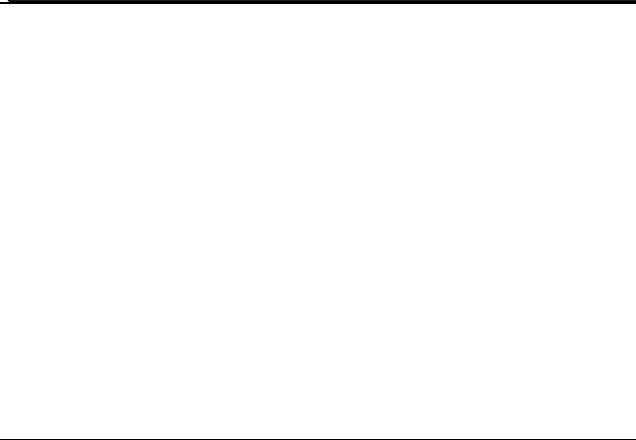
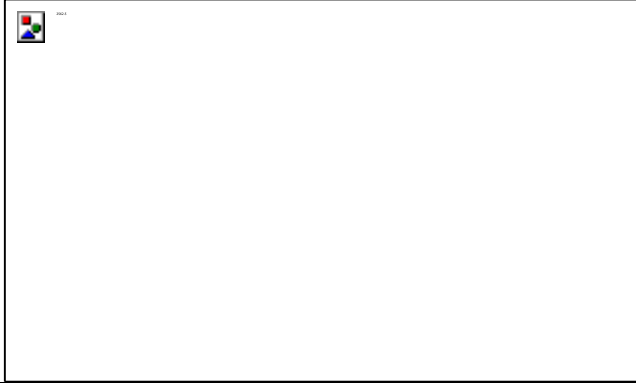
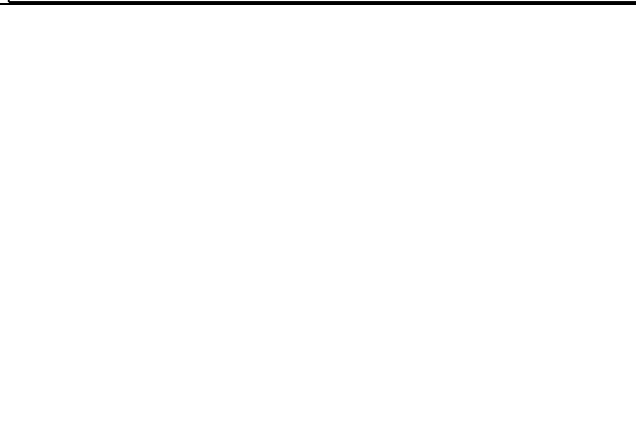
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Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/12
Test Band	LTE Band 7_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
20775	2502.5	5	30 ~ 26000	-35.05	≤ -25.00	Pass
21100	2535.0	5	30 ~ 26000	-40.64	≤ -25.00	Pass
21425	2567.5	5	30 ~ 26000	-31.20	≤ -25.00	Pass
20800	2505.0	10	30 ~ 26000	-32.13	≤ -25.00	Pass
21100	2535.0	10	30 ~ 26000	-40.59	≤ -25.00	Pass
21400	2565.0	10	30 ~ 26000	-30.83	≤ -25.00	Pass
20825	2507.5	15	30 ~ 26000	-40.59	≤ -25.00	Pass
21100	2535.0	15	30 ~ 26000	-40.73	≤ -25.00	Pass
21375	2562.5	15	30 ~ 26000	-33.00	≤ -25.00	Pass
20850	2510.0	20	30 ~ 26000	-34.61	≤ -25.00	Pass
21100	2535.0	20	30 ~ 26000	-40.78	≤ -25.00	Pass
21350	2560.0	20	30 ~ 26000	-38.35	≤ -25.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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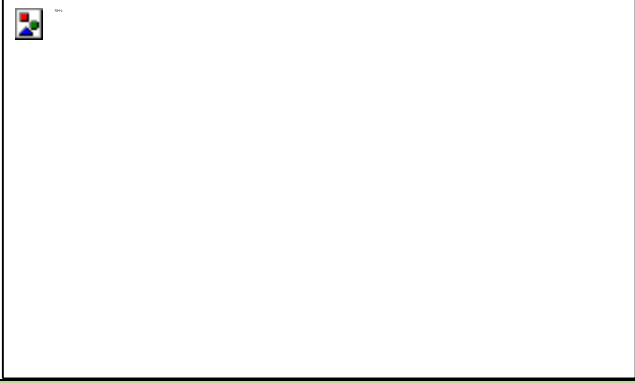
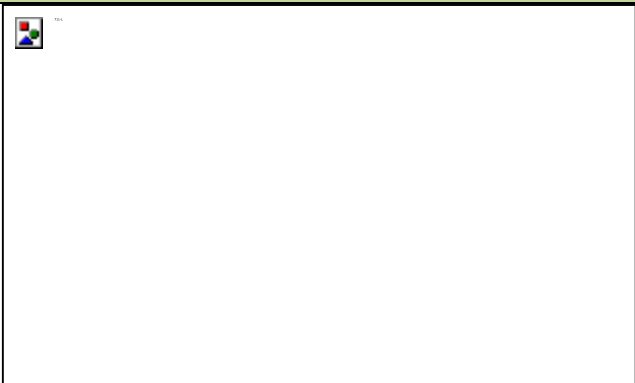
15MHz Channel Bandwidth	
Channel 20825 (2507.5MHz)	Channel 21100 (2535MHz)
	
Channel 21375 (2562.5MHz)	
	
20MHz Channel Bandwidth	
Channel 20850 (2510MHz)	Channel 21100 (2535MHz)
	
Channel 21350 (2560MHz)	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 12_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
23017	699.7	1.4	30 ~ 10000	-33.94	≤ -13.00	Pass
23095	707.5	1.4	30 ~ 10000	-31.77	≤ -13.00	Pass
23173	715.3	1.4	30 ~ 10000	-32.81	≤ -13.00	Pass
23025	700.5	3	30 ~ 10000	-34.05	≤ -13.00	Pass
23095	707.5	3	30 ~ 10000	-32.75	≤ -13.00	Pass
23165	714.5	3	30 ~ 10000	-33.30	≤ -13.00	Pass
23035	701.5	5	30 ~ 10000	-34.44	≤ -13.00	Pass
23095	707.5	5	30 ~ 10000	-34.14	≤ -13.00	Pass
23155	713.5	5	30 ~ 10000	-33.65	≤ -13.00	Pass
23060	704.0	10	30 ~ 10000	-32.64	≤ -13.00	Pass
23095	707.5	10	30 ~ 10000	-33.82	≤ -13.00	Pass
23130	711.0	10	30 ~ 10000	-32.98	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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5MHz Channel Bandwidth	
Channel 23035 (701.5MHz)	Channel 23095 (707.5MHz)
	
Channel 23165 (714.5MHz)	
	
10MHz Channel Bandwidth	
Channel 23060 (704.0MHz)	Channel 23095 (707.5MHz)
	
Channel 23130 (711.0MHz)	
	

Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 13_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
23205	779.5	5	30 ~ 10000	-31.46	≤ -13.00	Pass
23230	782.0	5	30 ~ 10000	-31.04	≤ -13.00	Pass
23255	784.5	5	30 ~ 10000	-30.76	≤ -13.00	Pass
23230	782.0	10	30 ~ 10000	-30.22	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/11
Test Band	LTE Band 17_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
23755	706.5	5	30 ~ 8000	-33.54	≤ -13.00	Pass
23790	710.0	5	30 ~ 8000	-33.20	≤ -13.00	Pass
23825	713.5	5	30 ~ 8000	-33.37	≤ -13.00	Pass
23780	709.0	10	30 ~ 8000	-32.94	≤ -13.00	Pass
23790	710.0	10	30 ~ 8000	-33.62	≤ -13.00	Pass
23800	711.0	10	30 ~ 8000	-34.93	≤ -13.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

5MHz Channel Bandwidth	
Channel 23755 (706.5MHz)	Channel 23790(710.0MHz)
	
	

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Product	Mobile Computer	Test Site	SIP-SR1
Test Engineer	Candy Luo	Test Date	2022/01/12
Test Band	LTE Band 38/41_1RB_QPSK		

Channel	Frequency (MHz)	Channel Bandwidth (MHz)	Frequency Range (MHz)	Max Spurious Emissions (dBm)	Limit (dBm)	Result
39675	2498.50	5	30 ~ 27000	-40.24	≤ -25.00	Pass
40620	2593.00	5	30 ~ 27000	-40.18	≤ -25.00	Pass
40565	2687.50	5	30 ~ 27000	-36.66	≤ -25.00	Pass
39700	2501.00	10	30 ~ 27000	-38.71	≤ -25.00	Pass
40620	2593.00	10	30 ~ 27000	-40.06	≤ -25.00	Pass
41540	2685.00	10	30 ~ 27000	-40.39	≤ -25.00	Pass
39725	2503.50	15	30 ~ 27000	-40.27	≤ -25.00	Pass
40620	2593.00	15	30 ~ 27000	-40.36	≤ -25.00	Pass
41515	2682.50	15	30 ~ 27000	-39.59	≤ -25.00	Pass
39750	2506.00	20	30 ~ 27000	-36.41	≤ -25.00	Pass
40620	2593.00	20	30 ~ 27000	-40.38	≤ -25.00	Pass
41490	2680.00	20	30 ~ 27000	-39.82	≤ -25.00	Pass

Note: Spurious emissions within 9kHz – 30MHz were found more than 20dB below limit line.

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15MHz Channel Bandwidth	
Channel 39725 (2503.5MHz)	Channel 40620 (2593MHz)
	
Channel 41515 (2682.5MHz)	
	
20MHz Channel Bandwidth	
Channel 39750 (2506MHz)	Channel 40620 (2593MHz)
	
Channel 41490 (2680MHz)	
	

5.8. Radiated Spurious Emission Measurement

5.8.1. Test Limit

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm.

For Band 7, 38/41, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. The emission limit equal to -25dBm.

For LTE Band 13, For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz (-40dBm/MHz) equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW (-50dBm) EIRP for discrete emissions of less than 700 Hz bandwidth.

$E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20 \log D + 104.8$; where D is the measurement distance in meters. The emission limit equal to 82.3dB μ V/m or 70.3dB μ V/m.

5.8.2. Test Procedure

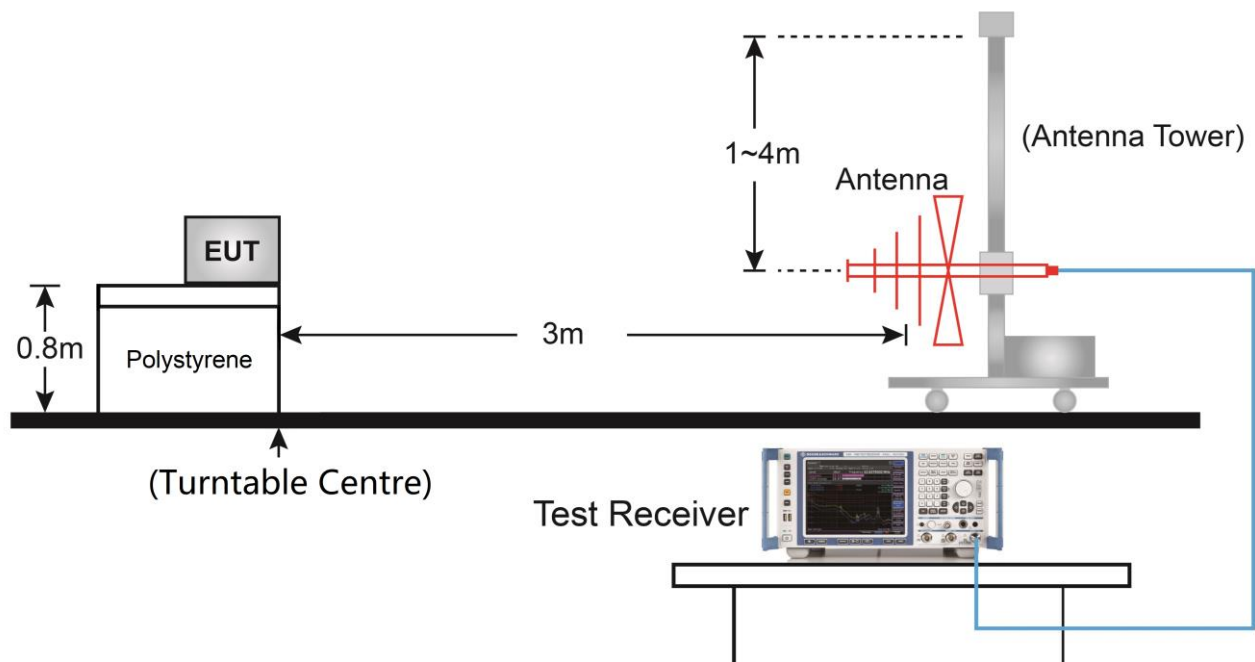
ANSI C63.26-2015 - Section 5.2.7 & 5.5

5.8.3. Test Setting

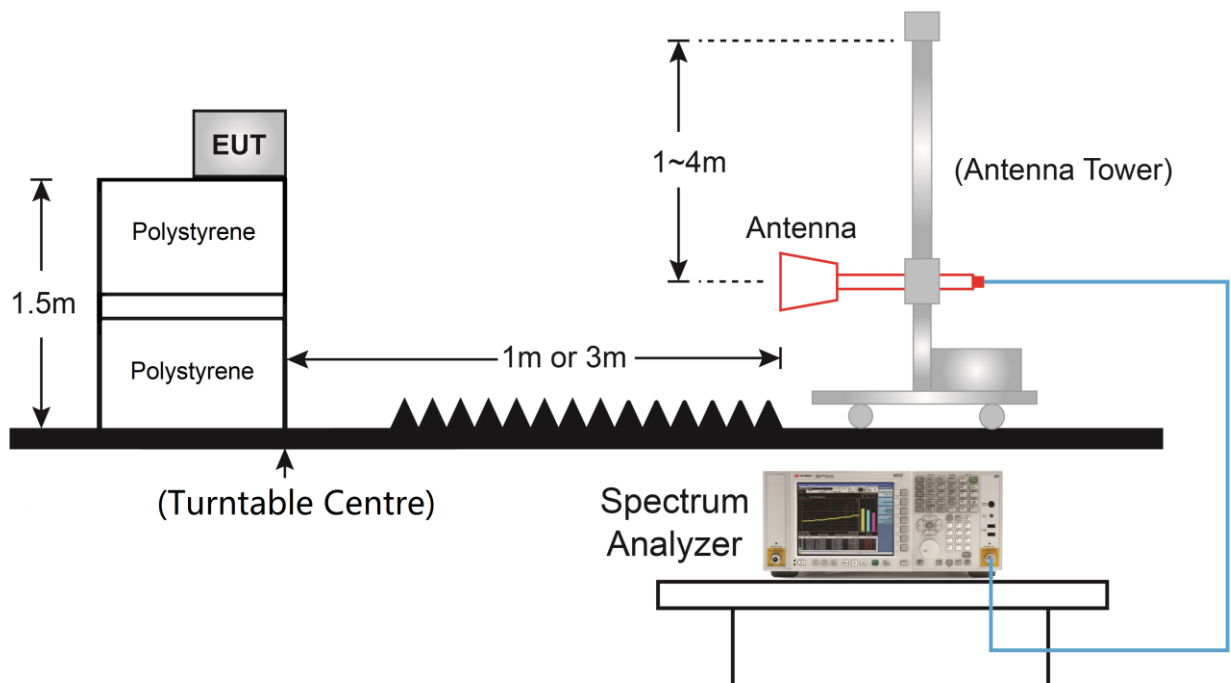
1. RBW = 1MHz
2. VBW $\geq 3 \times$ RBW
3. Sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (transmission symbol period)
4. Detector = Peak
5. Trace mode = max hold
6. The trace was allowed to stabilize

5.8.4.Test Setup

Below 1GHz Test Setup:



Above 1GHz Test Setup:



5.8.5.Test Result

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 2/25_1RB_QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
853.5	2.8	28.9	31.7	82.3	-50.6	Peak	Horizontal
962.2	2.7	30.1	32.8	82.3	-49.5	Peak	Horizontal
54.7	14.6	17.9	32.5	82.3	-49.8	Peak	Vertical
961.2	2.0	30.1	32.1	82.3	-50.2	Peak	Vertical
3703.0	62.8	-12.1	50.7	82.3	-31.6	Peak	Horizontal
7400.5	53.6	-6.2	47.4	82.3	-34.9	Peak	Horizontal
3703.0	59.8	-12.1	47.7	82.3	-34.6	Peak	Vertical
7400.5	55.4	-6.2	49.2	82.3	-33.1	Peak	Vertical
Middle Channel							
876.8	3.4	28.1	31.5	82.3	-50.8	Peak	Horizontal
963.1	2.1	30.1	32.2	82.3	-50.1	Peak	Horizontal
47.9	14.4	17.8	32.2	82.3	-50.1	Peak	Vertical
961.7	2.9	30.1	33.0	82.3	-49.3	Peak	Vertical
3762.5	63.2	-11.8	51.4	82.3	-30.9	Peak	Horizontal
5641.0	57.4	-8.9	48.5	82.3	-33.8	Peak	Horizontal
3762.5	60.9	-11.8	49.1	82.3	-33.2	Peak	Vertical
7519.5	56.8	-6.3	50.5	82.3	-31.8	Peak	Vertical
High Channel							
137.2	7.7	17.3	25.0	82.3	-57.3	Peak	Horizontal
966.5	2.7	30.0	32.7	82.3	-49.6	Peak	Horizontal
54.7	14.1	17.9	32.0	82.3	-50.3	Peak	Vertical
966.5	2.7	30.0	32.7	82.3	-49.6	Peak	Vertical
3830.5	62.4	-11.8	50.6	82.3	-31.7	Peak	Horizontal
5743.0	58.0	-8.6	49.4	82.3	-32.9	Peak	Horizontal
5743.0	58.9	-8.6	50.3	82.3	-32.0	Peak	Vertical
7655.5	57.2	-6.1	51.1	82.3	-31.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 4/66_1RB_QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
837.0	2.7	29.0	31.7	82.3	-50.6	Peak	Horizontal
969.4	2.3	30.2	32.5	82.3	-49.8	Peak	Horizontal
48.4	12.2	17.9	30.1	82.3	-52.2	Peak	Vertical
54.7	13.5	17.9	31.4	82.3	-50.9	Peak	Vertical
8548.0	51.2	-4.6	46.6	82.3	-35.7	Peak	Horizontal
17243.5	43.7	7.4	51.1	82.3	-31.2	Peak	Horizontal
8548.0	57.1	-4.6	52.5	82.3	-29.8	Peak	Vertical
17269.0	44.9	7.0	51.9	82.3	-30.4	Peak	Vertical
Middle Channel							
822.5	2.2	28.9	31.1	82.3	-51.2	Peak	Horizontal
934.5	2.2	29.7	31.9	82.3	-50.4	Peak	Horizontal
54.7	14.4	17.9	32.3	82.3	-50.0	Peak	Vertical
960.2	2.5	30.0	32.5	82.3	-49.8	Peak	Vertical
6975.5	57.6	-6.9	50.7	82.3	-31.6	Peak	Horizontal
17464.5	45.6	6.4	52.0	82.3	-30.3	Peak	Horizontal
8726.5	58.8	-4.5	54.3	82.3	-28.0	Peak	Vertical
17345.5	43.9	7.4	51.3	82.3	-31.0	Peak	Vertical
High Channel							
804.1	2.1	28.6	30.7	82.3	-51.6	Peak	Horizontal
991.3	2.2	30.0	32.2	82.3	-50.1	Peak	Horizontal
54.7	14.7	17.9	32.6	82.3	-49.7	Peak	Vertical
924.3	3.0	29.7	32.7	82.3	-49.6	Peak	Vertical
7120.0	57.4	-6.1	51.3	82.3	-31.0	Peak	Horizontal
17566.5	44.0	7.2	51.2	82.3	-31.1	Peak	Horizontal
7120.0	61.7	-6.1	55.6	82.3	-26.7	Peak	Vertical
18000.0	42.7	8.5	51.2	82.3	-31.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2021/12/23~2021/12/28
Test Band	LTE Band 5/26_1RB_QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
757.0	21.1	27.9	49.0	82.3	-33.3	Peak	Horizontal
952.5	22.2	30.0	52.2	82.3	-30.1	Peak	Horizontal
925.8	22.3	29.7	52.0	82.3	-30.3	Peak	Vertical
995.2	22.6	30.0	52.6	82.3	-29.7	Peak	Vertical
15212.0	45.1	3.5	48.6	82.3	-33.7	Peak	Horizontal
17337.0	43.2	7.9	51.1	82.3	-31.2	Peak	Horizontal
14753.0	45.2	2.9	48.1	82.3	-34.2	Peak	Vertical
17337.0	43.3	7.9	51.2	82.3	-31.1	Peak	Vertical
Middle Channel							
921.4	22.4	29.7	52.1	82.3	-30.2	Peak	Horizontal
960.2	21.7	30.0	51.7	82.3	-30.6	Peak	Horizontal
912.7	22.0	29.3	51.3	82.3	-31.0	Peak	Vertical
995.6	22.0	30.0	52.0	82.3	-30.3	Peak	Vertical
14379.0	47.3	1.9	49.2	82.3	-33.1	Peak	Horizontal
17592.0	45.2	7.6	52.8	82.3	-29.5	Peak	Horizontal
15586.0	44.8	4.5	49.3	82.3	-33.0	Peak	Vertical
18000.0	42.8	8.5	51.3	82.3	-31.0	Peak	Vertical
High Channel							
743.9	22.3	27.8	50.1	82.3	-32.2	Peak	Horizontal
964.1	22.1	30.1	52.2	82.3	-30.1	Peak	Horizontal
847.7	26.6	28.9	55.5	82.3	-26.8	Peak	Vertical
954.9	22.5	30.1	52.6	82.3	-29.7	Peak	Vertical
10392.5	48.4	-3.7	44.7	82.3	-37.6	Peak	Horizontal
16929.0	43.6	7.2	50.8	82.3	-31.5	Peak	Horizontal
10154.5	48.9	-3.7	45.2	82.3	-37.1	Peak	Vertical
17830.0	44.2	7.7	51.9	82.3	-30.4	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 7_1RB_QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
816.2	2.3	28.8	31.1	70.3	-39.2	Peak	Horizontal
957.8	2.9	29.9	32.8	70.3	-37.5	Peak	Horizontal
54.7	14.9	17.9	32.8	70.3	-37.5	Peak	Vertical
999.5	2.8	30.0	32.8	70.3	-37.5	Peak	Vertical
7502.5	52.8	-5.9	46.9	70.3	-23.4	Peak	Horizontal
10001.5	51.9	-4.1	47.8	70.3	-22.5	Peak	Horizontal
7502.5	60.1	-5.9	54.2	70.3	-16.1	Peak	Vertical
10001.5	57.5	-4.1	53.4	70.3	-16.9	Peak	Vertical
Middle Channel							
818.6	2.2	28.8	31.0	70.3	-39.3	Peak	Horizontal
940.3	2.3	29.7	32.0	70.3	-38.3	Peak	Horizontal
54.7	14.5	17.9	32.4	70.3	-37.9	Peak	Vertical
960.7	2.5	30.1	32.6	70.3	-37.7	Peak	Vertical
10129.0	52.3	-3.5	48.8	70.3	-21.5	Peak	Horizontal
17600.5	43.9	7.1	51.0	70.3	-19.3	Peak	Horizontal
7596.0	57.3	-5.7	51.6	70.3	-18.7	Peak	Vertical
10129.0	56.9	-3.5	53.4	70.3	-16.9	Peak	Vertical
High Channel							
54.7	4.7	17.9	22.6	70.3	-47.7	Peak	Horizontal
978.2	2.4	30.1	32.5	70.3	-37.8	Peak	Horizontal
47.9	12.8	17.8	30.6	70.3	-39.7	Peak	Vertical
54.7	15.2	17.9	33.1	70.3	-37.2	Peak	Vertical
7698.0	54.4	-5.4	49.0	70.3	-21.3	Peak	Horizontal
16852.5	44.8	6.2	51.0	70.3	-19.3	Peak	Horizontal
7698.0	59.1	-5.4	53.7	70.3	-16.6	Peak	Vertical
16946.0	43.9	7.2	51.1	70.3	-19.2	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 12, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
875.4	22.5	28.1	50.6	82.3	-31.7	Peak	Horizontal
991.8	22.1	30.0	52.1	82.3	-30.2	Peak	Horizontal
817.2	21.2	28.8	50.0	82.3	-32.3	Peak	Vertical
953.9	22.7	30.0	52.7	82.3	-29.6	Peak	Vertical
3499.0	61.4	-12.6	48.8	82.3	-33.5	Peak	Horizontal
17983.0	43.3	8.3	51.6	82.3	-30.7	Peak	Horizontal
3499.0	54.1	-12.6	41.5	82.3	-40.8	Peak	Vertical
17337.0	43.2	7.9	51.1	82.3	-31.2	Peak	Vertical
Middle Channel							
851.6	22.1	28.8	50.9	82.3	-31.4	Peak	Horizontal
974.8	21.9	30.1	52.0	82.3	-30.3	Peak	Horizontal
815.7	21.4	28.9	50.3	82.3	-32.0	Peak	Vertical
973.3	22.7	30.0	52.7	82.3	-29.6	Peak	Vertical
2827.5	57.8	-15.0	42.8	82.3	-39.5	Peak	Horizontal
3533.0	55.9	-12.5	43.4	82.3	-38.9	Peak	Horizontal
3533.0	52.8	-12.5	40.3	82.3	-42.0	Peak	Vertical
17991.5	43.8	8.4	52.2	82.3	-30.1	Peak	Vertical
High Channel							
821.5	21.6	28.9	50.5	82.3	-31.8	Peak	Horizontal
925.3	22.1	29.7	51.8	82.3	-30.5	Peak	Horizontal
816.7	22.0	28.8	50.8	82.3	-31.5	Peak	Vertical
963.6	21.7	30.1	51.8	82.3	-30.5	Peak	Vertical
2861.5	60.8	-15.1	45.7	82.3	-36.6	Peak	Horizontal
16929.0	43.3	7.2	50.5	82.3	-31.8	Peak	Horizontal
2861.5	56.9	-15.1	41.8	82.3	-40.5	Peak	Vertical
17481.5	44.0	6.8	50.8	82.3	-31.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 13, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
825.9	22.6	28.8	51.4	82.3	-30.9	Peak	Horizontal
973.3	21.3	30.0	51.3	82.3	-31.0	Peak	Horizontal
842.4	22.2	28.8	51.0	82.3	-31.3	Peak	Vertical
967.0	22.1	30.0	52.1	82.3	-30.2	Peak	Vertical
1569.5	49.2	-20.3	28.9	55.3	-26.4	Peak	Horizontal
17235.0	43.4	7.5	50.9	82.3	-31.4	Peak	Horizontal
1578.0	48.9	-20.3	28.6	55.3	-26.7	Peak	Vertical
17260.5	44.2	7.1	51.3	82.3	-31.0	Peak	Vertical
Middle Channel							
824.9	22.3	28.8	51.1	82.3	-31.2	Peak	Horizontal
954.9	22.8	30.1	52.9	82.3	-29.4	Peak	Horizontal
828.3	22.0	28.9	50.9	82.3	-31.4	Peak	Vertical
969.9	22.2	30.1	52.3	82.3	-30.0	Peak	Vertical
1561.0	48.7	-20.3	28.4	55.3	-26.9	Peak	Horizontal
16750.5	44.9	6.5	51.4	82.3	-30.9	Peak	Horizontal
1578.0	48.2	-20.3	27.9	55.3	-27.4	Peak	Vertical
5862.0	57.4	-8.5	48.9	82.3	-33.4	Peak	Vertical
High Channel							
922.4	22.0	29.7	51.7	82.3	-30.6	Peak	Horizontal
972.8	22.5	30.1	52.6	82.3	-29.7	Peak	Horizontal
926.8	21.3	29.7	51.0	82.3	-31.3	Peak	Vertical
972.8	21.7	30.1	51.8	82.3	-30.5	Peak	Vertical
1569.5	48.3	-20.3	28.0	55.3	-27.3	Peak	Horizontal
17677.0	43.9	7.5	51.4	82.3	-30.9	Peak	Horizontal
1569.5	48.1	-20.3	27.8	55.3	-27.5	Peak	Vertical
17235.0	43.3	7.5	50.8	82.3	-31.5	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 17, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
843.3	21.1	28.8	49.9	82.3	-32.4	Peak	Horizontal
921.4	21.8	29.7	51.5	82.3	-30.8	Peak	Horizontal
821.0	21.8	28.9	50.7	82.3	-31.6	Peak	Vertical
948.6	21.7	29.8	51.5	82.3	-30.8	Peak	Vertical
9763.5	48.7	-4.1	44.6	82.3	-37.7	Peak	Horizontal
16937.5	43.3	7.2	50.5	82.3	-31.8	Peak	Horizontal
10078.0	48.6	-4.2	44.4	82.3	-37.9	Peak	Vertical
17243.5	43.7	7.4	51.1	82.3	-31.2	Peak	Vertical
Middle Channel							
805.0	22.0	28.6	50.6	82.3	-31.7	Peak	Horizontal
947.6	21.8	29.9	51.7	82.3	-30.6	Peak	Horizontal
833.2	22.2	28.8	51.0	82.3	-31.3	Peak	Vertical
983.0	22.7	29.9	52.6	82.3	-29.7	Peak	Vertical
2827.5	60.2	-15.0	45.2	82.3	-37.1	Peak	Horizontal
3541.5	57.0	-12.5	44.5	82.3	-37.8	Peak	Horizontal
2827.5	53.6	-15.0	38.6	82.3	-43.7	Peak	Vertical
17575.0	44.0	7.1	51.1	82.3	-31.2	Peak	Vertical
High Channel							
871.5	23.1	28.2	51.3	82.3	-31.0	Peak	Horizontal
967.5	21.6	30.0	51.6	82.3	-30.7	Peak	Horizontal
798.2	22.1	28.3	50.4	82.3	-31.9	Peak	Vertical
991.8	22.0	30.0	52.0	82.3	-30.3	Peak	Vertical
2844.5	63.0	-15.1	47.9	82.3	-34.4	Peak	Horizontal
16946.0	43.7	7.2	50.9	82.3	-31.4	Peak	Horizontal
2844.5	54.5	-15.1	39.4	82.3	-42.9	Peak	Vertical
16929.0	43.0	7.2	50.2	82.3	-32.1	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Product	Mobile Computer	Test Site	SIP-AC2
Test Engineer	Allen Zou	Test Date	2022/01/24
Test Band	LTE Band 38/41, 1RB, QPSK		

Frequency (MHz)	Reading Level (dBμV)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Low Channel							
817.6	2.2	28.8	31.0	70.3	-39.3	Peak	Horizontal
998.5	3.5	30.0	33.5	70.3	-36.8	Peak	Horizontal
54.7	15.3	17.9	33.2	70.3	-37.1	Peak	Vertical
909.3	3.5	29.2	32.7	70.3	-37.6	Peak	Vertical
4995.0	56.7	-9.3	47.4	70.3	-22.9	Peak	Horizontal
9984.5	50.8	-4.1	46.7	70.3	-23.6	Peak	Horizontal
4995.0	61.3	-9.3	52.0	70.3	-18.3	Peak	Vertical
9984.5	57.7	-4.1	53.6	70.3	-16.7	Peak	Vertical
Middle Channel							
820.6	2.0	28.9	30.9	70.3	-39.4	Peak	Horizontal
929.2	2.0	29.8	31.8	70.3	-38.5	Peak	Horizontal
54.7	15.4	17.9	33.3	70.3	-37.0	Peak	Vertical
995.6	2.1	30.0	32.1	70.3	-38.2	Peak	Vertical
7774.5	56.8	-6.1	50.7	70.3	-19.6	Peak	Horizontal
17337.0	43.6	7.9	51.5	70.3	-18.8	Peak	Horizontal
5182.0	59.2	-9.3	49.9	70.3	-20.4	Peak	Vertical
7774.5	59.2	-6.1	53.1	70.3	-17.2	Peak	Vertical
High Channel							
849.7	2.8	28.7	31.5	70.3	-38.8	Peak	Horizontal
995.2	2.4	30.0	32.4	70.3	-37.9	Peak	Horizontal
47.9	16.4	17.8	34.2	70.3	-36.1	Peak	Vertical
54.7	16.0	17.9	33.9	70.3	-36.4	Peak	Vertical
5377.5	59.1	-9.1	50.0	70.3	-20.3	Peak	Horizontal
17337.0	43.7	7.9	51.6	70.3	-18.7	Peak	Horizontal
5377.5	63.1	-9.1	54.0	70.3	-16.3	Peak	Vertical
8072.0	57.4	-5.4	52.0	70.3	-18.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB).

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Appendix A - Test Setup Photograph

Refer to “2112RSU039-UT” file.

Appendix B - EUT Photograph

Refer to “2112RSU039-UE” file.

_____ The End _____