

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
z	QPSK	673.0	V	170	333	2.89	1/0	14.13	17.02	0.050	36.99	-19.97	14.87	0.031	34.77	-19.90
MHz	QPSK	680.5	V	175	319	3.09	1 / 99	13.90	16.99	0.050	36.99	-20.00	14.84	0.030	34.77	-19.94
20 1	QPSK	688.0	V	175	326	3.28	1 / 99	16.65	19.93	0.098	36.99	-17.06	17.78	0.060	34.77	-16.99
2	16-QAM	688.0	V	175	326	3.28	1 / 99	15.88	19.16	0.082	36.99	-17.83	17.01	0.050	34.77	-17.76
z	QPSK	670.5	V	170	333	2.76	1 / 37	14.28	17.03	0.050	36.99	-19.96	14.88	0.031	34.77	-19.89
MHz	QPSK	680.5	V	175	319	3.09	1/0	13.67	16.76	0.047	36.99	-20.23	14.61	0.029	34.77	-20.16
151	QPSK	690.5	V	175	326	3.31	1 / 74	16.70	20.02	0.100	36.99	-16.97	17.87	0.061	34.77	-16.91
_	16-QAM	690.5	V	175	326	3.31	1 / 74	15.73	19.04	0.080	36.99	-17.95	16.89	0.049	34.77	-17.88
Z	QPSK	668.0	V	170	333	2.72	1 / 49	14.48	17.20	0.053	36.99	-19.79	15.05	0.032	34.77	-19.72
MHz	QPSK	680.5	V	175	319	3.09	1 / 25	13.91	17.00	0.050	36.99	-19.99	14.85	0.031	34.77	-19.92
101	QPSK	693.0	V	175	326	3.44	1 / 49	16.69	20.13	0.103	36.99	-16.86	17.98	0.063	34.77	-16.79
7	16-QAM	693.0	V	175	326	3.44	1 / 49	15.65	19.10	0.081	36.99	-17.89	16.95	0.050	34.77	-17.82
N	QPSK	665.5	V	170	333	2.59	1 / 24	14.49	17.08	0.051	36.99	-19.91	14.93	0.031	34.77	-19.84
MHz	QPSK	680.5	V	175	319	3.09	1 / 12	14.09	17.17	0.052	36.99	-19.82	15.02	0.032	34.77	-19.75
2	QPSK	695.5	V	175	326	3.48	1 / 12	16.81	20.28	0.107	36.99	-16.71	18.13	0.065	34.77	-16.64
	16-QAM	695.5	V	175	326	3.48	1 / 12	15.79	19.27	0.085	36.99	-17.72	17.12	0.052	34.77	-17.65
20 MHz	Opposite Pol.	688.0	Н	149	177	3.09	1 / 50	13.96	17.05	0.051	36.99	-19.94	14.90	0.031	34.77	-19.88
20 IVIHZ	WCP	688.0	V	169	75	3.09	1 / 50	12.34	15.43	0.035	36.99	-21.56	13.28	0.021	34.77	-21.50

Table 7-5. ERP Data (LTE Band 71)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
Z	QPSK	704.0	V	156	210	3.58	1 / 49	15.96	19.54	0.090	36.99	-17.45	17.39	0.055	34.77	-17.38
MHz	QPSK	707.5	V	170	206	3.62	1 / 49	16.01	19.63	0.092	36.99	-17.36	17.48	0.056	34.77	-17.29
0	QPSK	711.0	V	150	209	3.67	1 / 49	16.83	20.50	0.112	36.99	-16.49	18.35	0.068	34.77	-16.42
1	16-QAM	711.0	V	150	209	3.67	1 / 49	16.04	19.71	0.093	36.99	-17.28	17.56	0.057	34.77	-17.21
N	QPSK	701.5	V	156	210	3.55	1 / 24	15.96	19.51	0.089	36.99	-17.48	17.36	0.055	34.77	-17.41
MHz	QPSK	707.5	V	170	206	3.62	1/0	16.06	19.69	0.093	36.99	-17.30	17.54	0.057	34.77	-17.23
2	QPSK	713.5	V	150	209	3.80	1 / 12	16.82	20.62	0.115	36.99	-16.37	18.47	0.070	34.77	-16.30
	16-QAM	713.5	V	150	209	3.80	1 / 12	16.13	19.93	0.098	36.99	-17.06	17.78	0.060	34.77	-16.99
N	QPSK	700.5	V	156	210	3.54	1/0	15.90	19.43	0.088	36.99	-17.56	17.28	0.054	34.77	-17.49
MHz	QPSK	707.5	V	170	206	3.62	1 / 7	16.16	19.78	0.095	36.99	-17.21	17.63	0.058	34.77	-17.14
3	QPSK	714.5	V	150	209	3.81	1 / 14	16.64	20.45	0.111	36.99	-16.54	18.30	0.068	34.77	-16.47
. , ,	16-QAM	714.5	V	150	209	3.81	1 / 14	16.06	19.87	0.097	36.99	-17.12	17.72	0.059	34.77	-17.05
Ţ	QPSK	699.7	V	156	210	3.53	1/0	16.00	19.52	0.090	36.99	-17.47	17.37	0.055	34.77	-17.40
MHz	QPSK	707.5	V	170	206	3.62	1/3	15.92	19.54	0.090	36.99	-17.45	17.39	0.055	34.77	-17.38
4.	QPSK	715.3	V	150	209	3.85	1/0	16.58	20.43	0.110	36.99	-16.56	18.28	0.067	34.77	-16.49
7	16-QAM	715.3	V	150	209	3.85	1/0	16.05	19.90	0.098	36.99	-17.09	17.75	0.060	34.77	-17.02
10 MHz	Opposite Pol.	711.0	Н	115	5	3.67	1 / 49	12.58	16.25	0.042	36.99	-20.74	14.10	0.026	34.77	-20.67
TO WINZ	WCP	711.0	V	147	205	3.67	1 / 25	11.96	15.63	0.037	36.99	-21.36	13.48	0.022	34.77	-21.29

Table 7-6. ERP Data (LTE Band 12)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
0 N	QPSK	782.0	V	145	253	5.99	1 / 49	16.01	22.00	0.159	36.99	-14.99	19.85	0.097	34.77	-14.92
7	16-QAM	782.0	V	145	253	5.99	1 / 49	15.24	21.23	0.133	36.99	-15.76	19.08	0.081	34.77	-15.69
N	QPSK	779.5	V	145	253	5.97	1 / 12	16.01	21.98	0.158	36.99	-15.01	19.83	0.096	34.77	-14.95
堂	QPSK	782.0	V	145	253	5.99	1 / 24	16.01	22.00	0.159	36.99	-14.99	19.85	0.097	34.77	-14.92
≥ 2	QPSK	784.5	V	145	253	6.07	1/0	16.01	22.08	0.161	36.99	-14.91	19.93	0.098	34.77	-14.84
٩,	16-QAM	782.0	V	145	253	5.99	1 / 24	15.24	21.23	0.133	36.99	-15.76	19.08	0.081	34.77	-15.69
10 MHz	Opposite Pol.	782.0	Н	214	3	5.99	1 / 49	13.10	19.09	0.081	36.99	-17.90	16.94	0.049	34.77	-17.83
TO MINZ	WCP	782.0	V	139	194	5.99	1 / 49	10.87	16.86	0.049	36.99	-20.13	14.71	0.030	34.77	-20.06

Table 7-7. ERP Data (LTE Band 13)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 201 of 253
1M2109090103-04-R1.A3L	09/09/2021 - 11/10/2021	Portable Handset	Fage 201 01 255



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
	π/2 BPSK	673.0	Н	155	180	2.99	1 / 26	15.67	18.66	0.073	36.99	-18.33	16.51	0.045	34.77	-18.26
	π/2 BPSK	680.5	Н	132	165	3.09	1 / 53	15.43	18.52	0.071	36.99	-18.47	16.37	0.043	34.77	-18.41
	π/2 BPSK	688.0	Н	139	175	3.08	1 / 53	16.17	19.25	0.084	36.99	-17.74	17.10	0.051	34.77	-17.67
20 MHz	QPSK	673.0	Н	155	180	2.99	1 / 26	15.66	18.65	0.073	36.99	-18.34	16.50	0.045	34.77	-18.27
	QPSK	680.5	Н	132	165	3.09	1 / 53	15.55	18.64	0.073	36.99	-18.35	16.49	0.045	34.77	-18.29
	QPSK	688.0	Н	139	175	3.08	1 / 53	16.21	19.29	0.085	36.99	-17.70	17.14	0.052	34.77	-17.63
	16-QAM	688.0	Н	139	175	3.08	1 / 53	15.37	18.45	0.070	36.99	-18.54	16.30	0.043	34.77	-18.47
	π/2 BPSK	670.5	Н	155	180	2.96	1 / 39	15.48	18.44	0.070	36.99	-18.55	16.29	0.043	34.77	-18.48
	π/2 BPSK	680.5	Н	132	165	3.09	1 / 39	15.38	18.46	0.070	36.99	-18.53	16.31	0.043	34.77	-18.46
	π/2 BPSK	690.5	Н	139	175	3.11	1 / 58	16.16	19.27	0.085	36.99	-17.72	17.12	0.052	34.77	-17.65
15 MHz	QPSK	670.5	Н	155	180	2.96	1 / 39	15.62	18.58	0.072	36.99	-18.41	16.43	0.044	34.77	-18.34
	QPSK	680.5	Н	132	165	3.09	1 / 39	15.44	18.53	0.071	36.99	-18.46	16.38	0.043	34.77	-18.39
	QPSK	690.5	Н	139	175	3.11	1 / 58	16.46	19.58	0.091	36.99	-17.41	17.43	0.055	34.77	-17.35
	16-QAM	690.5	Н	139	175	3.11	1 / 58	14.94	18.06	0.064	36.99	-18.93	15.91	0.039	34.77	-18.87
	π/2 BPSK	668.0	Н	155	180	2.92	1 / 13	15.72	18.65	0.073	36.99	-18.34	16.50	0.045	34.77	-18.27
	π/2 BPSK	680.5	Н	132	165	3.09	1 / 13	15.25	18.34	0.068	36.99	-18.65	16.19	0.042	34.77	-18.59
	π/2 BPSK	693.0	Н	139	175	3.14	1 / 13	16.05	19.19	0.083	36.99	-17.80	17.04	0.051	34.77	-17.73
10 MHz	QPSK	668.0	Н	155	180	2.92	1 / 13	15.88	18.81	0.076	36.99	-18.18	16.66	0.046	34.77	-18.11
	QPSK	680.5	Н	132	165	3.09	1 / 13	15.24	18.33	0.068	36.99	-18.66	16.18	0.041	34.77	-18.59
	QPSK	693.0	Н	139	175	3.14	1 / 13	16.44	19.58	0.091	36.99	-17.41	17.43	0.055	34.77	-17.34
	16-QAM	693.0	Н	139	175	3.14	1 / 13	14.97	18.11	0.065	36.99	-18.88	15.96	0.039	34.77	-18.81
	π/2 BPSK	665.5	Н	155	180	2.94	1 / 18	15.67	18.62	0.073	36.99	-18.37	16.47	0.044	34.77	-18.31
	π/2 BPSK	680.5	Н	132	165	3.09	1 / 12	15.11	18.20	0.066	36.99	-18.79	16.05	0.040	34.77	-18.72
	π/2 BPSK	695.5	Н	139	175	3.18	1 / 18	16.42	19.60	0.091	36.99	-17.39	17.45	0.056	34.77	-17.32
5 MHz	QPSK	665.5	Н	155	180	2.94	1 / 18	15.53	18.47	0.070	36.99	-18.52	16.32	0.043	34.77	-18.45
	QPSK	680.5	Н	132	165	3.09	1 / 12	15.20	18.29	0.067	36.99	-18.70	16.14	0.041	34.77	-18.63
	QPSK	695.5	Н	139	175	3.18	1 / 18	16.23	19.40	0.087	36.99	-17.59	17.25	0.053	34.77	-17.52
	16-QAM	695.5	Н	139	175	3.18	1 / 18	14.85	18.03	0.063	36.99	-18.96	15.88	0.039	34.77	-18.90
	QPSK (CP-OFDM)	688.0	Н	137	180	3.09	1 / 12	14.70	17.79	0.060	36.99	-19.20	15.64	0.037	34.77	-19.14
20 MHz	QPSK (Opposite Pol.)	688.0	V	174	182	3.09	1/6	14.77	17.86	0.061	36.99	-19.13	15.71	0.037	34.77	-19.07
	QPSK (WCP)	688.0	Н	135	352	3.09	1 / 18	15.68	18.77	0.075	36.99	-18.22	16.62	0.046	34.77	-18.16

Table 7-8. EIRP Data (NR Band n71)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height	Turntable Azimuth	Ant. Gain	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit	Margin [dB]
				[cm]	[degree]									-		
	π/2 BPSK	706.5	Н	151	290	3.51	1 / 20	17.06	20.57	0.114	36.99	-16.42	18.42	0.070	34.77	-16.35
	π/2 BPSK	707.5	Н	151	292	3.52	1 / 39	16.90	20.42	0.110	36.99	-16.57	18.27	0.067	34.77	-16.50
	π/2 BPSK	708.5	Н	151	294	3.54	1 / 20	17.04	20.58	0.114	36.99	-16.41	18.43	0.070	34.77	-16.35
15 MHz	QPSK	706.5	Н	151	290	3.51	1 / 20	16.97	20.48	0.112	36.99	-16.51	18.33	0.068	34.77	-16.44
	QPSK	707.5	H	151	292	3.52	1 / 39	16.85	20.37	0.109	36.99	-16.62	18.22	0.066	34.77	-16.55
	QPSK	708.5	Н	151	294	3.54	1 / 20	16.93	20.47	0.111	36.99	-16.52	18.32	0.068	34.77	-16.46
	16-QAM	706.5	Н	151	290	3.51	1 / 20	16.22	19.73	0.094	36.99	-17.26	17.58	0.057	34.77	-17.19
	π/2 BPSK	704.0	Н	151	290	3.48	1 / 13	17.21	20.69	0.117	36.99	-16.30	18.54	0.071	34.77	-16.23
	π/2 BPSK	707.5	Н	151	292	3.52	1 / 13	16.74	20.27	0.106	36.99	-16.72	18.12	0.065	34.77	-16.65
	π/2 BPSK	711.0	Н	151	294	3.57	1 / 26	17.01	20.58	0.114	36.99	-16.41	18.43	0.070	34.77	-16.34
10 MHz	QPSK	704.0	Н	151	290	3.48	1 / 13	16.98	20.46	0.111	36.99	-16.53	18.31	0.068	34.77	-16.47
	QPSK	707.5	Н	151	292	3.52	1 / 13	16.82	20.35	0.108	36.99	-16.64	18.20	0.066	34.77	-16.57
	QPSK	711.0	Н	151	294	3.57	1 / 26	16.91	20.48	0.112	36.99	-16.51	18.33	0.068	34.77	-16.44
	16-QAM	704.0	Н	151	290	3.48	1 / 13	16.64	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	π/2 BPSK	701.5	Н	151	290	3.45	1/6	17.17	20.62	0.115	36.99	-16.37	18.47	0.070	34.77	-16.30
	π/2 BPSK	707.5	Н	151	292	3.52	1 / 18	16.75	20.27	0.106	36.99	-16.72	18.12	0.065	34.77	-16.65
	π/2 BPSK	713.5	Н	151	294	3.70	1 / 12	16.94	20.64	0.116	36.99	-16.35	18.49	0.071	34.77	-16.28
	QPSK	701.5	Н	151	290	3.45	1/6	17.05	20.50	0.112	36.99	-16.49	18.35	0.068	34.77	-16.42
5 MHz	QPSK	707.5	Н	151	292	3.52	1 / 18	16.63	20.15	0.104	36.99	-16.84	18.00	0.063	34.77	-16.77
	QPSK	713.5	Н	151	294	3.70	1 / 12	16.90	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33
	16-QAM	701.5	Н	151	290	3.45	1/6	16.88	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
	16-QAM	707.5	Н	151	292	3.52	1 / 18	14.91	18.43	0.070	36.99	-18.56	16.28	0.042	34.77	-18.49
	16-QAM	713.5	Н	151	294	3.70	1 / 12	15.99	19.69	0.093	36.99	-17.30	17.54	0.057	34.77	-17.23
	BPSK (CP-OFDM)	708.5	Н	149	293	3.54	1/6	16.87	20.41	0.110	36.99	-16.58	18.26	0.067	34.77	-16.52
15 MHz	BPSK (Opposite Pol.)	708.5	V	100	213	3.64	1 / 18	16.18	19.82	0.096	36.99	-17.17	17.67	0.058	34.77	-17.11
	BPSK (WCP)	708.5	Н	141	274	3.54	1/6	10.07	13.61	0.023	36.99	-23.38	11.46	0.014	34.77	-23.32

Table 7-9. EIRP Data (NR Band n12)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	V	102.00	326.00	15.59	9.47	25.06	0.321	30.00	-4.94
1732.60	WCDMA1700	V	134.00	232.00	14.80	9.15	23.95	0.249	30.00	-6.05
1752.60	WCDMA1700	V	137.00	325.00	15.07	9.05	24.12	0.258	30.00	-5.88
1712.40	WCDMA1700	Н	139.00	184.00	14.40	9.47	23.87	0.244	30.00	-6.13
1712.40	WCDMA1700 (WCP)	V	125.00	44.00	12.14	9.47	21.61	0.145	30.00	-8.39

Table 7-10. EIRP Data (WCDMA AWS)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 202 of 253
1M2109090103-04-R1.A3L	09/09/2021 - 11/10/2021	Portable Handset	Fage 202 01 255



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
Z	QPSK	1720.0	V	109	324	9.33	1 / 50	16.09	25.42	0.348	30.00	-4.58
돝	QPSK	1745.0	V	100	323	9.03	1 / 50	15.11	24.14	0.260	30.00	-5.86
20 MHz	QPSK	1770.0	V	131	326	9.10	1 / 50	15.39	24.49	0.281	30.00	-5.51
2	16-QAM	1720.0	V	109	324	9.33	1 / 50	15.51	24.84	0.305	30.00	-5.16
N	QPSK	1717.5	V	109	324	9.33	1 / 74	16.10	25.43	0.349	30.00	-4.57
15 MHz	QPSK	1745.0	V	100	323	9.03	1 / 37	15.01	24.05	0.254	30.00	-5.95
2	QPSK	1772.5	V	131	326	9.10	1 / 74	15.39	24.49	0.281	30.00	-5.51
_	16-QAM	1717.5	V	109	324	9.33	1 / 37	15.03	24.36	0.273	30.00	-5.64
N	QPSK	1715.0	V	109	324	9.33	1 / 25	16.12	25.45	0.351	30.00	-4.55
풀	QPSK	1745.0	V	100	323	9.03	1 / 25	15.22	24.25	0.266	30.00	-5.75
10 MHz	QPSK	1775.0	V	131	326	9.10	1 / 25	15.30	24.39	0.275	30.00	-5.61
7	16-QAM	1715.0	V	109	324	9.33	1 / 49	15.01	24.34	0.271	30.00	-5.66
N	QPSK	1712.5	V	109	324	9.33	1 / 12	16.26	25.59	0.362	30.00	-4.41
MHz	QPSK	1745.0	V	100	323	9.03	1 / 0	15.10	24.13	0.259	30.00	-5.87
2 1	QPSK	1777.5	V	131	326	9.10	1 / 12	15.39	24.49	0.281	30.00	-5.51
	16-QAM	1712.5	V	109	324	9.33	1 / 12	15.27	24.60	0.289	30.00	-5.40
N	QPSK	1711.5	V	109	324	9.33	1 / 14	16.18	25.51	0.356	30.00	-4.49
MHz	QPSK	1745.0	V	100	323	9.03	1 / 7	15.10	24.13	0.259	30.00	-5.87
3	QPSK	1778.5	V	131	326	9.10	1 / 14	15.38	24.48	0.281	30.00	-5.52
. ,,	16-QAM	1711.5	V	109	324	9.33	1 / 0	15.35	24.68	0.294	30.00	-5.32
Ż	QPSK	1710.7	V	109	324	9.33	1/0	16.17	25.50	0.355	30.00	-4.50
1.4 MHz	QPSK	1745.0	V	100	323	9.03	1 / 0	15.20	24.23	0.265	30.00	-5.77
4.	QPSK	1779.3	V	131	326	9.10	1/3	15.40	24.50	0.282	30.00	-5.50
-	16-QAM	1710.7	V	109	324	9.33	1/3	15.06	24.39	0.275	30.00	-5.61
20 MHz	Opposite Pol.	1720.0	Н	135	196	9.47	1 / 50	15.37	24.84	0.305	30.00	-5.16
ZU WIHZ	WCP	1720.0	V	102	326	9.33	1/0	12.53	21.86	0.153	30.00	-8.14

Table 7-11. EIRP Data (LTE Band 66/4)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	1730.0	V	149	226	9.20	1 / 108	15.04	24.24	0.265	30.00	-5.76
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 54	14.33	23.36	0.217	30.00	-6.64
	π/2 BPSK	1760.0	V	134	216	9.08	1 / 54	13.99	23.07	0.203	30.00	-6.93
40 MHz	QPSK	1730.0	V	149	226	9.20	1 / 108	14.99	24.19	0.262	30.00	-5.81
	QPSK	1745.0	V	151	227	9.03	1 / 54	14.39	23.42	0.220	30.00	-6.58
	QPSK	1760.0	V	134	216	9.08	1 / 54	13.79	22.87	0.194	30.00	-7.13
	16-QAM	1730.0	V	149	226	9.20	1 / 108	14.27	23.47	0.222	30.00	-6.53
	π/2 BPSK	1725.0	V	149	226	9.26	1 / 40	15.02	24.29	0.268	30.00	-5.71
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 80	14.40	23.43	0.220	30.00	-6.57
	π/2 BPSK	1765.0	V	134	216	9.09	1 / 119	13.97	23.06	0.202	30.00	-6.94
30 MHz	QPSK	1725.0	V	149	226	9.26	1 / 40	14.90	24.16	0.261	30.00	-5.84
	QPSK	1745.0	V	151	227	9.03	1 / 80	14.55	23.58	0.228	30.00	-6.42
	QPSK	1765.0	V	134	216	9.09	1 / 119	13.95	23.04	0.202	30.00	-6.96
	16-QAM	1725.0	V	149	226	9.26	1 / 40	14.33	23.60	0.229	30.00	-6.40
	π/2 BPSK	1720.0	V	149	226	9.33	1 / 79	14.97	24.30	0.269	30.00	-5.70
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 53	14.39	23.42	0.220	30.00	-6.58
	π/2 BPSK	1770.0	V	134	216	9.10	1 / 79	13.95	23.05	0.202	30.00	-6.95
20 MHz	QPSK	1720.0	V	149	226	9.33	1 / 79	14.95	24.28	0.268	30.00	-5.72
	QPSK	1745.0	V	151	227	9.03	1 / 53	14.35	23.39	0.218	30.00	-6.61
	QPSK	1770.0	V	134	216	9.10	1 / 79	13.78	22.87	0.194	30.00	-7.13
	16-QAM	1720.0	V	149	226	9.33	1 / 79	14.21	23.54	0.226	30.00	-6.46
	π/2 BPSK	1717.5	V	149	226	9.38	1 / 20	14.93	24.30	0.269	30.00	-5.70
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 20	14.44	23.47	0.222	30.00	-6.53
	π/2 BPSK	1772.5	V	134	216	9.11	1 / 58	13.93	23.05	0.202	30.00	-6.95
15 MHz	QPSK	1717.5	V	149	226	9.38	1 / 20	14.91	24.29	0.268	30.00	-5.71
	QPSK	1745.0	V	151	227	9.03	1 / 20	14.50	23.54	0.226	30.00	-6.46
	QPSK	1772.5	V	134	216	9.11	1 / 58	13.83	22.94	0.197	30.00	-7.06
	16-QAM	1717.5	V	149	226	9.38	1 / 20	14.20	23.58	0.228	30.00	-6.42
	π/2 BPSK	1715.0	V	149	226	9.42	1 / 13	14.85	24.27	0.267	30.00	-5.73
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 26	14.43	23.47	0.222	30.00	-6.53
	π/2 BPSK	1775.0	V	134	216	9.13	1 / 26	13.98	23.12	0.205	30.00	-6.88
10 MHz	QPSK	1715.0	V	149	226	9.42	1 / 13	14.75	24.17	0.261	30.00	-5.83
	QPSK	1745.0	V	151	227	9.03	1 / 26	14.42	23.46	0.222	30.00	-6.54
	QPSK	1775.0	V	134	216	9.13	1 / 26	13.86	22.99	0.199	30.00	-7.01
	16-QAM	1715.0	V	149	226	9.42	1 / 13	14.50	23.92	0.247	30.00	-6.08
	π/2 BPSK	1712.5	V	149	226	9.47	1/6	14.82	24.29	0.269	30.00	-5.71
	π/2 BPSK	1745.0	V	151	227	9.03	1 / 12	14.43	23.46	0.222	30.00	-6.54
	π/2 BPSK	1777.5	V	134	216	9.15	1 / 12	13.98	23.13	0.206	30.00	-6.87
5 MHz	QPSK	1712.5	V	149	226	9.47	1/6	14.83	24.30	0.269	30.00	-5.70
	QPSK	1745.0	V	151	227	9.03	1 / 12	14.47	23.50	0.224	30.00	-6.50
	QPSK	1777.5	V	134	216	9.15	1 / 12	13.94	23.09	0.204	30.00	-6.91
	16-QAM	1712.5	V	149	226	9.47	1/6	14.54	24.01	0.252	30.00	-5.99
	QPSK (CP-OFDM)	1730.0	V	149	226	9.20	1 / 108	13.56	22.76	0.189	30.00	-7.24
40 MHz	BPSK (Opposite Pol.)	1730.0	Н	124	194	9.48	1 / 108	13.62	23.10	0.204	30.00	-6.90
40 MH 12	BPSK (WCP)	1730.0	V	131	223	9.20	1 / 54	11.57	20.77	0.119	30.00	-9.23
	DI OK (VVOI)						and n66 -		20.11	0.113	55.00	3.23

Table 7-12. EIRP Data (NR Band n66 – Ant A)

FCC ID: A3LSMS906U	Proxi to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	1730.0	Н	100	45	9.48	1 / 54	12.79	22.27	0.169	30.00	-7.73
	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 54	11.65	21.13	0.130	30.00	-8.87
	π/2 BPSK	1760.0	Н	100	49	9.44	1 / 54	11.04	20.48	0.112	30.00	-9.52
40 MHz	QPSK	1730.0	Н	100	45	9.48	1 / 54	12.73	22.21	0.167	30.00	-7.79
	QPSK	1745.0	Н	100	48	9.48	1 / 54	11.57	21.05	0.127	30.00	-8.95
	QPSK	1760.0	Н	100	49	9.44	1 / 54	11.04	20.48	0.112	30.00	-9.52
	16-QAM	1730.0	Н	100	45	9.48	1 / 54	11.62	21.10	0.129	30.00	-8.90
	π/2 BPSK	1725.0	Н	100	45	9.48	1 / 119	12.78	22.26	0.168	30.00	-7.74
	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 119	11.61	21.09	0.129	30.00	-8.91
	π/2 BPSK	1765.0	Н	100	49	9.42	1 / 80	11.15	20.56	0.114	30.00	-9.44
30 MHz	QPSK	1725.0	Н	100	45	9.48	1 / 119	12.82	22.30	0.170	30.00	-7.70
	QPSK	1745.0	Н	100	48	9.48	1 / 80	11.74	21.22	0.132	30.00	-8.78
	QPSK	1765.0	Н	100	49	9.42	1 / 80	11.02	20.43	0.111	30.00	-9.57
	16-QAM	1725.0	Н	100	45	9.48	1 / 119	11.33	20.81	0.121	30.00	-9.19
	π/2 BPSK	1720.0	Н	100	45	9.47	1 / 79	12.81	22.28	0.169	30.00	-7.72
1	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 79	11.69	21.17	0.131	30.00	-8.83
	π/2 BPSK	1770.0	Н	100	49	9.39	1 / 53	11.08	20.47	0.112	30.00	-9.53
20 MHz	QPSK	1720.0	Н	100	45	9.47	1 / 79	12.69	22.16	0.164	30.00	-7.84
-	QPSK	1745.0	Н	100	48	9.48	1 / 79	11.58	21.06	0.128	30.00	-8.94
	QPSK	1770.0	Н	100	49	9.39	1 / 53	10.95	20.34	0.108	30.00	-9.66
	16-QAM	1720.0	Н	100	45	9.47	1 / 79	11.03	20.50	0.112	30.00	-9.50
	π/2 BPSK	1717.5	Н	100	45	9.49	1 / 58	12.70	22.19	0.166	30.00	-7.81
	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 58	11.67	21.15	0.130	30.00	-8.85
	π/2 BPSK	1772.5	Н	100	49	9.36	1 / 58	11.22	20.58	0.114	30.00	-9.42
15 MHz	QPSK	1717.5	Н	100	45	9.49	1 / 58	12.78	22.27	0.169	30.00	-7.73
	QPSK	1745.0	Н	100	48	9.48	1 / 58	11.70	21.19	0.131	30.00	-8.81
	QPSK	1772.5	Н	100	49	9.36	1 / 58	11.00	20.36	0.109	30.00	-9.64
	16-QAM	1717.5	Н	100	45	9.49	1 / 58	11.34	20.83	0.121	30.00	-9.17
	π/2 BPSK	1715.0	Н	100	45	9.52	1 / 38	12.66	22.17	0.165	30.00	-7.83
	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 38	11.74	21.22	0.132	30.00	-8.78
	π/2 BPSK	1775.0	Н	100	49	9.34	1 / 38	11.31	20.65	0.116	30.00	-9.35
10 MHz	QPSK	1715.0	Н	100	45	9.52	1 / 38	12.54	22.06	0.161	30.00	-7.94
	QPSK	1745.0	Н	100	48	9.48	1 / 38	11.80	21.28	0.134	30.00	-8.72
	QPSK	1775.0	Н	100	49	9.34	1 / 38	11.24	20.57	0.114	30.00	-9.43
	16-QAM	1715.0	Н	100	45	9.52	1 / 38	10.94	20.46	0.111	30.00	-9.54
	π/2 BPSK	1712.5	Н	100	45	9.54	1 / 12	12.71	22.25	0.168	30.00	-7.75
	π/2 BPSK	1745.0	Н	100	48	9.48	1 / 18	11.67	21.15	0.130	30.00	-8.85
	π/2 BPSK	1777.5	Н	100	49	9.31	1 / 12	11.26	20.57	0.114	30.00	-9.43
5 MHz	QPSK	1712.5	Н	100	45	9.54	1 / 12	12.67	22.22	0.167	30.00	-7.78
	QPSK	1745.0	Н	100	48	9.48	1 / 18	11.70	21.18	0.131	30.00	-8.82
	QPSK	1777.5	Н	100	49	9.31	1 / 12	11.04	20.35	0.108	30.00	-9.65
	16-QAM	1712.5	Н	100	45	9.54	1 / 12	11.38	20.92	0.124	30.00	-9.08

Table 7-13. EIRP Data (NR Band n66 – Ant I)

FCC ID: A3LSMS906U	Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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7.8 Uplink Carrier Aggregation Measurements §2.1053

Test Overview

The EUT is set up to transmit two contiguous LTE channels. Conducted power and spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device. The worst case (highest) powers were found while operating with QPSK modulation with both carriers set to transmit using 1RB.

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.



Figure 7-8. Test Instrument & Measurement Setup

Power State Band		Bandwidth	PCC				scc				ULCA Tx.														
	(PCC + SCC)	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL#RB	UL RB Offset	Power [dBm]													
				132072	1720.0	1	99	QPSK	132270	1739.8	1	0	24.05												
			QPSK	132322	1745.0	1	99		132520	1764.8	1	0	24.83												
		20MHz + 20MHz											l					132572	1770.0	1	0	132374	1750.2	1	99
Max	LTE B66		QPSK	132322	1745.0	100	0	QPSK	132520	1764.8	100	0	22.85												
				1	16-QAM	132322	1745.0	100	0	16-QAM	132520	1764.8	100	0	21.92										
			64-QAM	132322	1745.0	100	0	64-QAM	132520	1764.8	100	0	21.51												
			256-QAM	132322	1745.0	100	0	256-QAM	132520	1764.8	100	0	19.91												

Table 7-14. Conducted Powers (Uplink CA LTE Band 66B/C)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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assembly of contents thereof, please contact INFO@PCTEST.COM.



Uplink CA LTE Band 66B/C



Plot 7-341. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel)



Plot 7-342. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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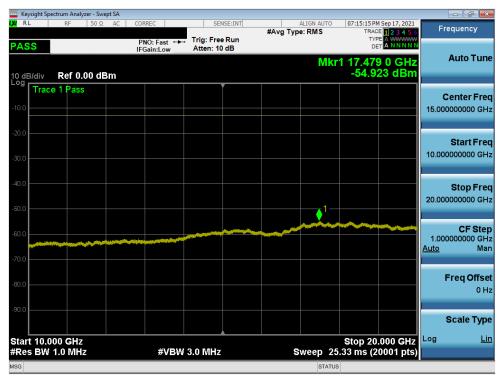
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Plot 7-343. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel)



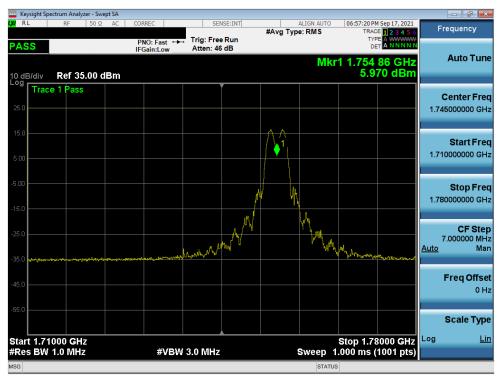
Plot 7-344. Conducted Spurious Plot (ULCA LTE Band 66 Low Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-345. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel)



Plot 7-346. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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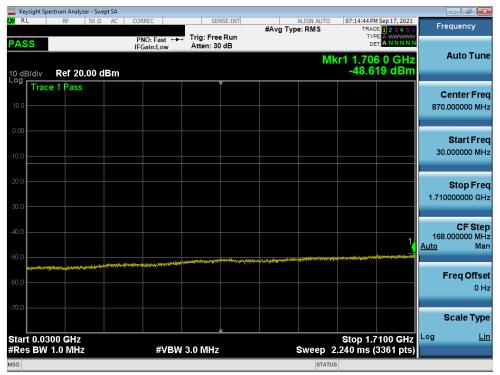
Plot 7-347. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel)



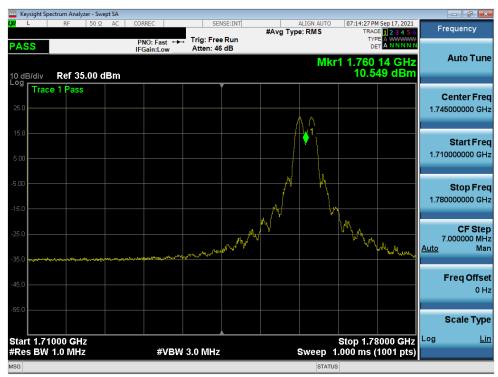
Plot 7-348. Conducted Spurious Plot (ULCA LTE Band 66 Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-349. Conducted Spurious Plot (ULCA LTE Band 66 High Channel)



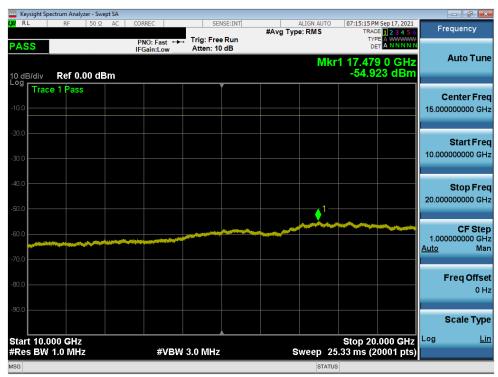
Plot 7-350. Conducted Spurious Plot (ULCA LTE Band 66 High Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-351. Conducted Spurious Plot (ULCA LTE Band 66 High Channel)



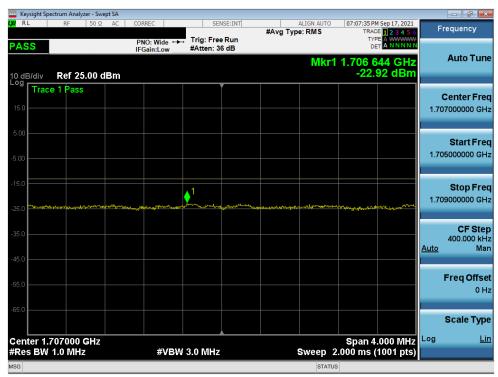
Plot 7-352. Conducted Spurious Plot (ULCA LTE Band 66 High Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-353. Lower Band Edge Plot (ULCA LTE Band 66)



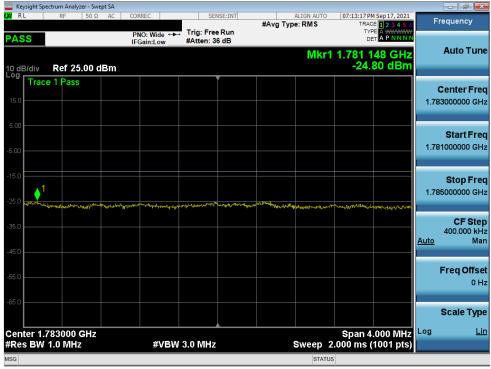
Plot 7-354. Lower Extended Band Edge Plot (ULCA LTE Band 66)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Plot 7-355. Upper Band Edge Plot (ULCA LTE Band 66)



Plot 7-356. Upper Extended Band Edge Plot (ULCA LTE Band 66

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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7.9 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 - Section 5.8

ANSI/TIA-603-E-2016 - Section 2.2.12

Test Settings

- 1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
- 2. VBW \geq 3 x RBW
- 3. Span = 1.5 times the OBW
- 4. No. of sweep points ≥ 2 x span / RBW
- Detector = RMS
- Trace mode = Average (Max Hold for pulsed emissions)
- 7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

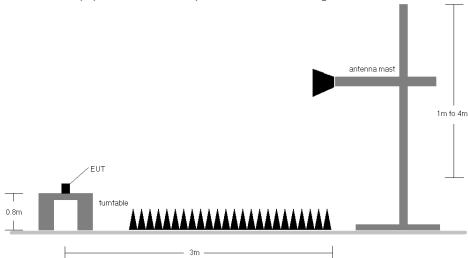


Figure 7-9. Test Instrument & Measurement Setup

Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a) E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
 - b) EIRP (dBm) = $E(dB\mu V/m) + 20logD 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.
- 8) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emission caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.
- 9) Spurious emissions measurements are included in this section to address compliance of the NR FR1 ULCA capability. The EUT was set to transmit at the widest bandwidth and on the middle channel of each band.

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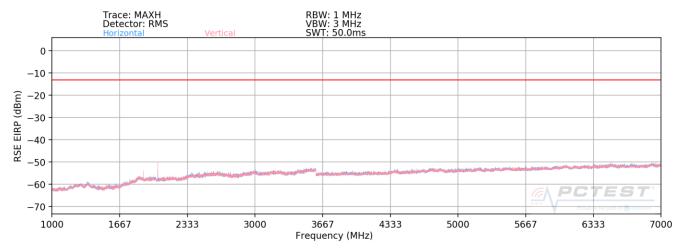
V2.0 4/5/2021

V2.0 4/5/2021

V2.0 4/5/2021



LTE Band 71



Plot 7-357. Radiated Spurious Plot (LTE Band 71)

Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	Н	339	341	-76.98	-1.31	28.71	-66.54	-13.00	-53.54
2019.0	Н	150	46	-67.14	1.06	40.92	-54.33	-13.00	-41.33
2692.0	Н	-	-	-78.31	2.46	31.15	-64.10	-13.00	-51.10
3365.0	Н	-	-	-78.44	3.17	31.73	-63.53	-13.00	-50.53
4038.0	Н	-	-	-79.17	4.11	31.94	-63.32	-13.00	-50.32

Table 7-15. Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
, ,	
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	Н	120	23	-77.02	-1.30	28.68	-66.58	-13.00	-53.58
2041.5	Н	191	40	-66.87	0.77	40.90	-54.36	-13.00	-41.36
2722.0	Н	-	-	-78.18	2.35	31.17	-64.09	-13.00	-51.09
3402.5	Н	-	1	-78.29	3.01	31.72	-63.54	-13.00	-50.54
4083.0	Н	-	-	-79.54	4.51	31.97	-63.28	-13.00	-50.28

Table 7-16. Radiated Spurious Data (LTE Band 71 – Mid Channel)

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Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

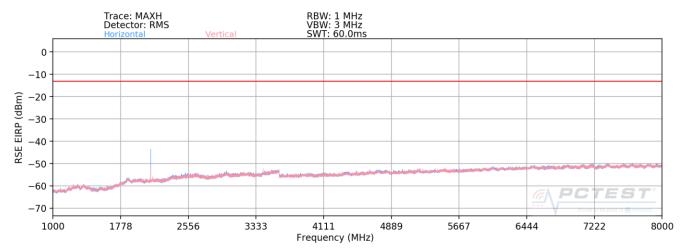
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	Н	291	86	-77.41	-1.63	27.96	-67.30	-13.00	-54.30
2064.0	Н	399	139	-64.87	0.75	42.88	-52.37	-13.00	-39.37
2752.0	Н	-	-	-77.75	1.94	31.19	-64.07	-13.00	-51.07
3440.0	Н	-	1	-78.23	3.05	31.82	-63.44	-13.00	-50.44
4128.0	Н	-	1	-78.38	4.29	32.91	-62.35	-13.00	-49.35

Table 7-17. Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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LTE Band 12



Plot 7-358. Radiated Spurious Plot (LTE Band 12)

Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	Н	174	356	-75.28	-2.31	29.41	-65.84	-13.00	-52.84
2112.0	Н	151	18	-58.82	0.99	49.17	-46.09	-13.00	-33.09
2816.0	Н	-	-	-78.06	2.24	31.18	-64.08	-13.00	-51.08
3520.0	Н	-	-	-78.44	3.67	32.23	-63.03	-13.00	-50.03
4224.0	Н	-	-	-78.32	4.07	32.75	-62.51	-13.00	-49.51

Table 7-18. Radiated Spurious Data (LTE Band 12 - Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1/25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	Н	-	-	-77.03	-2.37	27.60	-67.65	-13.00	-54.65
2122.5	Н	149	27	-56.20	1.04	51.84	-43.42	-13.00	-30.42
2830.0	Н	-	-	-78.05	2.14	31.09	-64.16	-13.00	-51.16
3537.5	Н	-	-	-78.75	3.77	32.02	-63.24	-13.00	-50.24
4245.0	Н	-	-	-78.59	4.21	32.62	-62.64	-13.00	-49.64

Table 7-19. Radiated Spurious Data (LTE Band 12 - Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

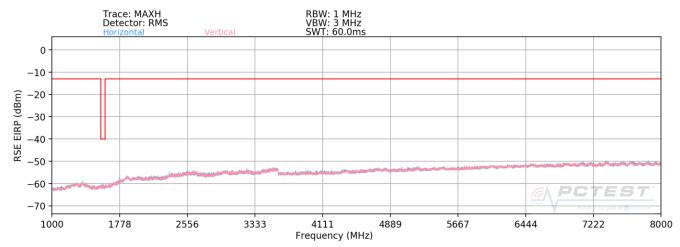
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	Н	223	49	-74.82	-2.45	29.73	-65.53	-13.00	-52.53
2133.0	Н	129	27	-54.40	1.09	53.69	-41.56	-13.00	-28.56
2844.0	Н	-	-	-78.31	2.20	30.89	-64.37	-13.00	-51.37
3555.0	Н	-	1	-78.78	3.70	31.92	-63.34	-13.00	-50.34
4266.0	Н	-	1	-79.08	4.36	32.28	-62.98	-13.00	-49.98

Table 7-20. Radiated Spurious Data (LTE Band 12 – High Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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LTE Band 13



Plot 7-359. Radiated Spurious Plot (LTE Band 13)

Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

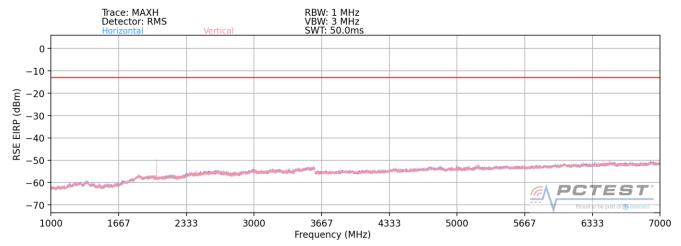
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	Н	-	-	-76.84	-2.53	27.63	-67.63	-40.00	-27.63
2346.0	Н	-	-	-77.45	1.88	31.43	-63.83	-13.00	-50.83
3128.0	Н	-	-	-77.82	3.14	32.32	-62.94	-13.00	-49.94
3910.0	Н	-	-	-78.69	4.29	32.60	-62.65	-13.00	-49.65

Table 7-21. Radiated Spurious Data (LTE Band 13 - Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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NR Band n71



Plot 7-360. Radiated Spurious Plot (NR Band n71)

Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	Н	118	90	-75.69	-1.31	30.00	-65.25	-13.00	-52.25
2019.0	Н	115	221	-65.31	1.06	42.75	-52.50	-13.00	-39.50
2692.0	Н	-	-	-77.06	2.46	32.40	-62.85	-13.00	-49.85
3365.0	Н	-	-	-77.41	3.17	32.76	-62.50	-13.00	-49.50
4038.0	Н	-	-	-78.33	4.11	32.78	-62.48	-13.00	-49.48

Table 7-22. Radiated Spurious Data (NR Band n71 - Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	Н	-	-	-76.35	-1.30	29.35	-65.91	-13.00	-52.91
2041.5	Н	127	222	-63.21	0.77	44.56	-50.70	-13.00	-37.70
2722.0	Н	-	-	-77.08	2.35	32.27	-62.99	-13.00	-49.99
3402.5	Н	-	-	-77.22	3.01	32.79	-62.47	-13.00	-49.47
4083.0	Н	-	-	-78.41	4.51	33.10	-62.15	-13.00	-49.15

Table 7-23. Radiated Spurious Data (NR Band n71 - Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53
Mode:	Stand Alone

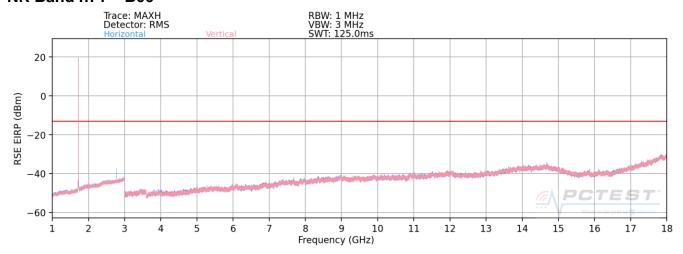
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	Н	-	-	-76.32	-1.63	29.05	-66.21	-13.00	-53.21
2064.0	Н	166	213	-64.40	0.75	43.35	-51.90	-13.00	-38.90
2752.0	Н	-	-	-76.92	1.94	32.02	-63.24	-13.00	-50.24
3440.0	Н	-	-	-77.24	3.05	32.81	-62.45	-13.00	-49.45
4128.0	Н	-	-	-77.78	4.29	33.51	-61.75	-13.00	-48.75

Table 7-24. Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: A3LSMS906U	Proxi to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n71 - B66



Plot 7-361. Radiated Spurious Plot (NR Band n71 - B66)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	673 / 1720
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	66

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2393.0	Н	-	-	-65.32	6.77	48.45	-46.81	-13.00	-33.81
2767.0	Н	-	-	-65.03	7.51	49.48	-45.78	-13.00	-32.78
3066.0	Н	-	-	-65.02	9.14	51.12	-44.14	-13.00	-31.14
3440.0	Н	-	-	-63.91	9.82	52.91	-42.34	-13.00	-29.34
4113.0	Н	-	-	-70.66	11.74	48.08	-47.18	-13.00	-34.18
5908.0	Н	-	-	-71.08	14.94	50.86	-44.40	-13.00	-31.40

Table 7-25. Radiated Spurious Data (NR Band n71 - B66)

FCC ID: A3LSMS906U	PCTEST* Proud to be part of @element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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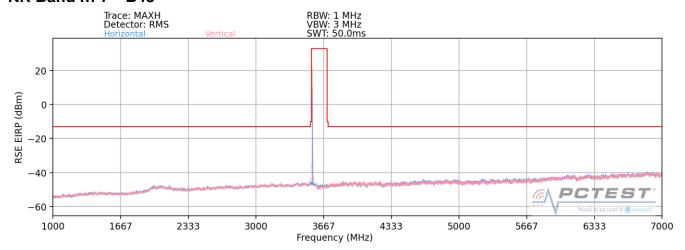
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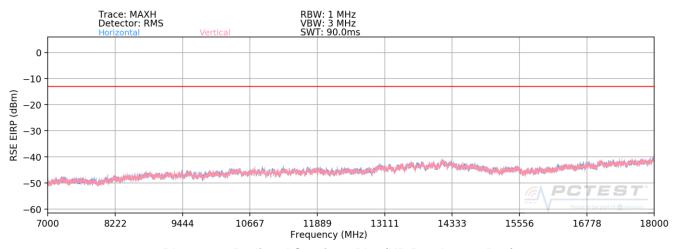
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NR Band n71 - B48



Plot 7-362. Radiated Spurious Plot (NR Band n71 - B48)



Plot 7-363. Radiated Spurious Plot (NR Band n71 – B48)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	680.5 / 3625
RB / Offset:	1 / 53 & 1 / 50
Mode:	EN-DC
Anchor Band:	B48

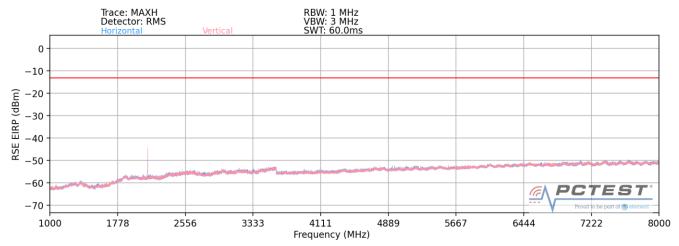
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2214.0	Н	-	-	-67.73	3.13	42.40	-52.86	-13.00	-39.86
5101.0	Н	-	-	-71.83	1.07	36.24	-59.02	-13.00	-46.02
6447.0	Н	•	-	-72.36	4.14	38.78	-56.48	-13.00	-43.48
7988.0	Н	•	-	-73.27	6.56	40.29	-54.97	-13.00	-41.97
10875.0	Н	•	-	-75.16	10.34	42.18	-53.08	-13.00	-40.08
12221.0	Н	-	-	-75.18	11.01	42.83	-52.43	-13.00	-39.43

Table 7-26. Radiated Spurious Data (NR Band n71 - B48)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12



Plot 7-364. Radiated Spurious Plot (NR Band n12)

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.0	V	167	210	-73.97	-2.35	30.68	-64.57	-13.00	-51.57
2119.5	V	111	142	-58.81	1.02	49.21	-46.04	-13.00	-33.04
2826.0	V	-	-	-77.11	2.18	32.07	-63.19	-13.00	-50.19
3532.5	V	-	-	-77.54	3.77	33.23	-62.03	-13.00	-49.03
4239.0	V	-	-	-77.61	4.12	33.51	-61.74	-13.00	-48.74

Table 7-27. Radiated Spurious Data (NR Band n12 - Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 39
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	V	134	142	-73.37	-2.37	31.26	-63.99	-13.00	-50.99
2122.5	V	168	278	-56.75	1.04	51.29	-43.97	-13.00	-30.97
2830.0	V	-	-	-77.30	2.14	31.84	-63.41	-13.00	-50.41
3537.5	V	-	-	-77.78	3.77	32.99	-62.27	-13.00	-49.27
4245.0	V	-	-	-77.75	4.21	33.46	-61.80	-13.00	-48.80

Table 7-28. Radiated Spurious Data (NR Band n12 - Mid Channel)

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Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39
Mode:	Stand Alone

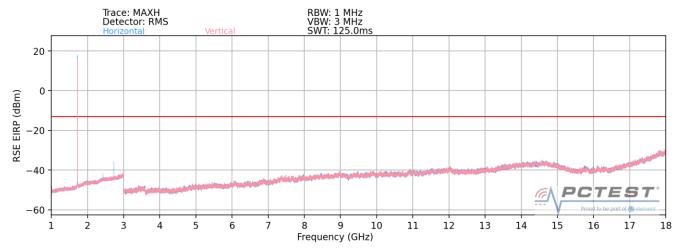
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.0	V	176	307	-73.49	-2.39	31.12	-64.14	-13.00	-51.14
2125.5	V	168	278	-56.76	1.05	51.29	-43.97	-13.00	-30.97
2834.0	V	-	-	-77.24	2.14	31.90	-63.36	-13.00	-50.36
3542.5	V	-	-	-77.51	3.76	33.25	-62.01	-13.00	-49.01
4251.0	V	-	-	-77.74	4.29	33.55	-61.71	-13.00	-48.71

Table 7-29. Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12 - B66



Plot 7-365. Radiated Spurious Plot (NR Band n12 - B66)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	704 / 1745
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	66

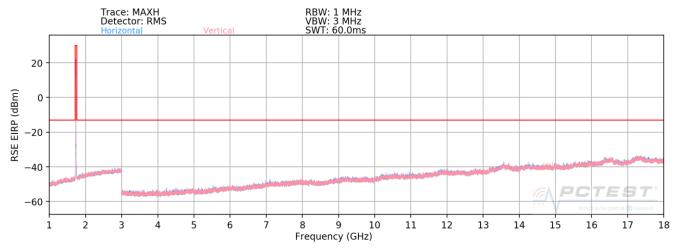
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2344.0	Н	-	-	-46.49	7.21	67.72	-27.54	-13.00	-14.54
2736.0	Н	-	-	-46.58	8.23	68.65	-26.61	-13.00	-13.61
3752.0	Н	-	-	-53.11	2.05	55.94	-39.31	-13.00	-26.31
4768.0	Н	-	-	-52.02	2.41	57.39	-37.86	-13.00	-24.86
5784.0	Н	-	-	-53.21	3.49	57.28	-37.98	-13.00	-24.98

Table 7-30. Radiated Spurious Data (NR Band n12 - B66)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 228 of 253
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WCDMA AWS



Plot 7-366. Radiated Spurious Plot (WCDMA AWS)

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	Н	-	-	-80.21	7.23	34.02	-61.23	-13.00	-48.23
5137.2	Н	-	-	-81.22	10.07	35.85	-59.40	-13.00	-46.40
6849.6	Н	-	-	-82.55	14.03	38.48	-56.78	-13.00	-43.78
8562.0	Н	-	-	-83.75	17.07	40.32	-54.94	-13.00	-41.94
10274.4	Н	-	-	-83.93	19.91	42.98	-52.27	-13.00	-39.27
11986.8	Н	-	-	-84.01	22.75	45.74	-49.52	-13.00	-36.52

7-31. Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	Н	-	-	-80.43	7.16	33.73	-61.52	-13.00	-48.52
5197.8	Н	-	-	-81.99	10.38	35.39	-59.87	-13.00	-46.87
6930.4	Н	-	-	-82.31	13.68	38.37	-56.88	-13.00	-43.88
8663.0	Н	-	-	-83.97	17.73	40.76	-54.50	-13.00	-41.50
10395.6	Н	-	-	-83.74	20.05	43.31	-51.95	-13.00	-38.95
12128.2	Н	-	-	-84.31	23.44	46.13	-49.13	-13.00	-36.13

Table 7-32. Radiated Spurious Data (WCDMA AWS – Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 220 of 252	
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Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

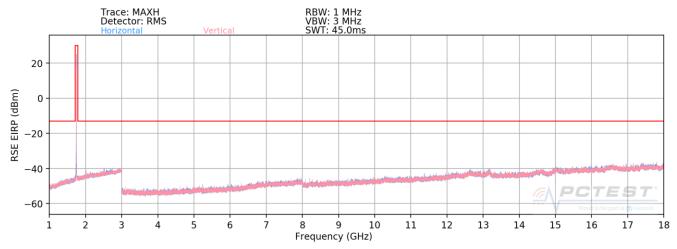
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	Н	-	-	-80.29	7.36	34.07	-61.19	-13.00	-48.19
5257.8	Н	-	-	-81.56	10.50	35.94	-59.32	-13.00	-46.32
7010.4	Н	-	-	-82.33	14.46	39.13	-56.13	-13.00	-43.13
8763.0	Н	-	-	-83.50	17.26	40.76	-54.49	-13.00	-41.49
10515.6	Н	-	-	-83.99	20.27	43.28	-51.98	-13.00	-38.98
12268.2	Н	-	ı	-84.17	23.31	46.14	-49.11	-13.00	-36.11

Table 7-33. Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 220 of 253	
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LTE Band 66/4



Plot 7-367. Radiated Spurious Plot (LTE Band 66/4)

Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	Н	-	-	-79.02	7.23	35.21	-60.05	-13.00	-47.05
5160.0	Н	251	9	-76.94	10.05	40.11	-55.15	-13.00	-42.15
6880.0	Н	-	-	-79.89	13.82	40.93	-54.32	-13.00	-41.32
8600.0	Н	-	-	-80.27	16.92	43.65	-51.61	-13.00	-38.61
10320.0	Н	-	-	-80.93	19.62	45.69	-49.57	-13.00	-36.57

Table 7-34. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	-	-	-78.29	7.09	35.80	-59.46	-13.00	-46.46
5235.0	Н	101	38	-74.51	10.20	42.69	-52.57	-13.00	-39.57
6980.0	Н	-	-	-79.53	14.41	41.88	-53.38	-13.00	-40.38
8725.0	Н	-	-	-80.52	16.93	43.41	-51.85	-13.00	-38.85
10470.0	Н	-	-	-81.38	20.07	45.69	-49.57	-13.00	-36.57

Table 7-35. Radiated Spurious Data (LTE Band 66/4 - Mid Channel)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

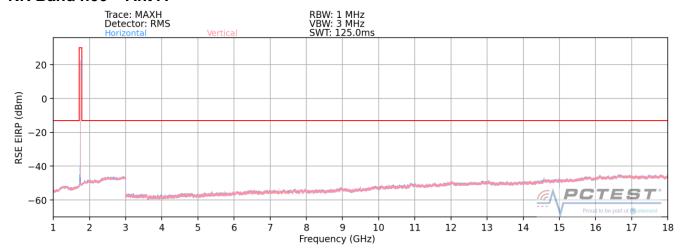
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	Н	-	-	-78.43	7.69	36.26	-58.99	-13.00	-45.99
5310.0	Н	100	29	-73.83	10.75	43.92	-51.34	-13.00	-38.34
7080.0	Н	-	-	-80.07	14.63	41.56	-53.70	-13.00	-40.70
8850.0	Н	-	1	-81.30	17.14	42.84	-52.42	-13.00	-39.42
10620.0	Н	-	1	-81.79	20.34	45.55	-49.71	-13.00	-36.71

Table 7-36. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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NR Band n66 - Ant A



Plot 7-368. Radiated Spurious Plot (NR Band n66 - Ant A)

Bandwidth (MHz):	40
Frequency (MHz):	1730.0
RB / Offset:	1 / 108
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	Н	-	-	-77.62	4.25	33.63	-61.63	-13.00	-48.63
5190.0	Н	-	-	-78.38	6.77	35.39	-59.87	-13.00	-46.87
6920.0	Н	-	-	-79.43	8.61	36.18	-59.08	-13.00	-46.08
8650.0	Н	-	-	-80.45	10.32	36.87	-58.39	-13.00	-45.39

Table 7-37. Radiated Spurious Data (NR Band n66 - Low Channel - Ant A)

Bandwidth (MHz):	40
Frequency (MHz):	1745.0
RB / Offset:	1 / 108
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	-	-	-77.27	4.31	34.04	-61.22	-13.00	-48.22
5235.0	Н	242	71	-77.57	6.83	36.26	-59.00	-13.00	-46.00
6980.0	Н	-	-	-79.09	8.50	36.41	-58.84	-13.00	-45.84
8725.0	Н	-	-	-79.67	10.48	37.81	-57.45	-13.00	-44.45
10470.0	Н	-	-	-80.95	12.50	38.55	-56.71	-13.00	-43.71

Table 7-38. Radiated Spurious Data (NR Band n66 - Mid Channel - Ant A)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	Н	-	-	-77.33	4.21	33.88	-61.37	-13.00	-48.37
5280.0	Н	-	-	-78.65	6.87	35.22	-60.03	-13.00	-47.03
7040.0	Н	-	-	-79.26	9.13	36.87	-58.39	-13.00	-45.39
8800.0	Н	-	-	-79.43	10.69	38.26	-57.00	-13.00	-44.00

Table 7-39. Radiated Spurious Data (NR Band n66 - High Channel - Ant A)

Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108
Mode:	Stand Alone

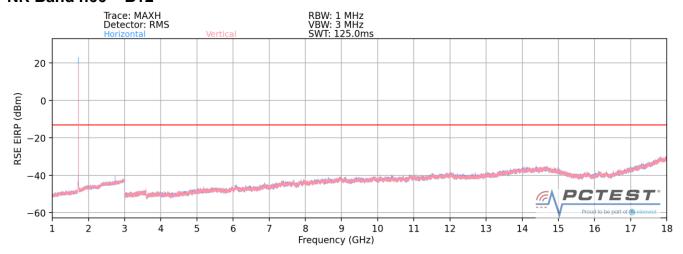
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	-	-	-77.29	4.31	34.02	-61.24	-13.00	-48.24
5235.0	Н	-	-	-78.84	6.83	34.99	-60.27	-13.00	-47.27
6980.0	Н	-	-	-79.09	8.50	36.41	-58.84	-13.00	-45.84
8725.0	Н	-	-	-79.63	10.48	37.85	-57.41	-13.00	-44.41

Table 7-40. Radiated Spurious Data with WCP (NR Band n66 - Ant A)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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NR Band n66 - B12



Plot 7-369. Radiated Spurious Plot (NR Band n66 - B12)

Bandwidth (MHz):	40 / 20			
Frequency (MHz):	1720 / 707.5			
RB / Offset:	1 / 108 & 1 / 20			
Mode:	EN-DC			
Anchor Band:	12			

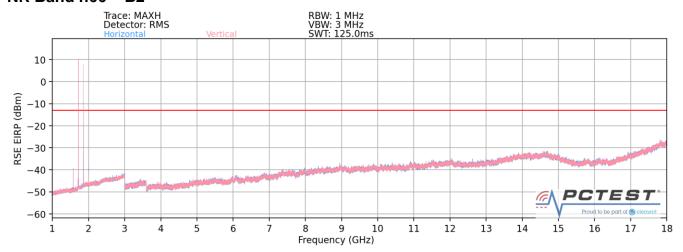
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2344.0	Н	-	-	-46.83	7.21	67.38	-27.88	-13.00	-14.88
2736.0	Н	-	-	-46.21	8.23	69.02	-26.24	-13.00	-13.24
3752.0	Н	-	-	-57.18	2.05	51.87	-43.38	-13.00	-30.38
4768.0	Н	•	-	-55.23	2.41	54.18	-41.07	-13.00	-28.07
5784.0	Н	-	-	-56.07	3.49	54.42	-40.84	-13.00	-27.84

Table 7-41. Radiated Spurious Data (NR Band n66 - B12)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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NR Band n66 - B2



Plot 7-370. Radiated Spurious Plot (NR Band n66 - B2)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	1720 / 1860
RB / Offset:	1 / 53 & 1 / 50
Mode:	EN-DC
Anchor Band:	2

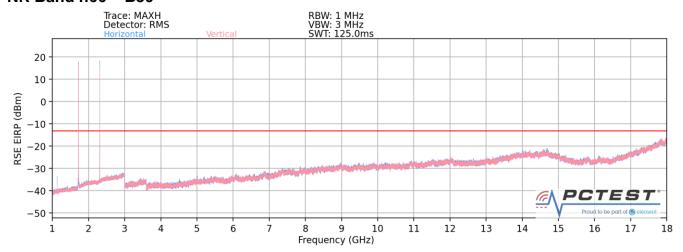
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1580.0	Н	194	47	-43.13	2.98	66.85	-28.40	-13.00	-15.40
2000.0	Н	204	57	-43.98	5.47	68.49	-26.77	-13.00	-13.77
2140.0	Н	-	-	-51.76	5.89	61.13	-34.12	-13.00	-21.12
2280.0	Н	-	-	-51.51	5.75	61.24	-34.01	-13.00	-21.01
2420.0	Н	-	-	-50.40	6.80	63.40	-31.86	-13.00	-18.86

Table 7-42. Radiated Spurious Data (NR Band n66 - B2)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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NR Band n66 - B30



Plot 7-371. Radiated Spurious Plot (NR Band n66 - B30)

Bandwidth (MHz):	40
Frequency (MHz):	1745.0
RB / Offset:	1 / 108
Mode:	EN-DC
Anchor Band:	30

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1180.0	V	-	-	-77.05	4.89	34.84	-60.41	-13.00	-47.41
2875.0	V	-	-	-77.91	10.90	39.99	-55.26	-13.00	-42.26
3490.0	V	147	224	-73.41	11.26	44.85	-50.40	-13.00	-37.40
4005.0	V	-	-	-79.34	12.38	40.04	-55.21	-13.00	-42.21
6980.0	V	294	12	-74.76	8.92	41.16	-54.09	-13.00	-41.09
14233.0	V	-	-	-82.36	15.25	39.89	-55.36	-13.00	-42.36

Table 7-43. Radiated Spurious Data (NR Band n66 - B30)

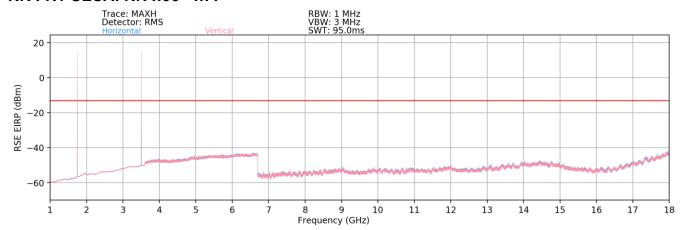
FCC ID: A3LSMS906U	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 237 of 253
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V2.0 4/5/2021



NR FR1 ULCA: NR n66 - n77



Plot 7-372. Radiated Spurious Plot (NR Band n66 - n77)

PCC Bandwidth (MHz):	40			
PCC Frequency (MHz):	1745.0			
PCC RB / Offset:	1/108			
SCC Bandwidth (MHz):	100			
SCC Frequency (MHz):	3500.0			
SCC RB / Offset:	1/108			
Detector / Trace Mode:	RMS / Average			
RBW / VBW:	V: 100kHz / 300kHz			

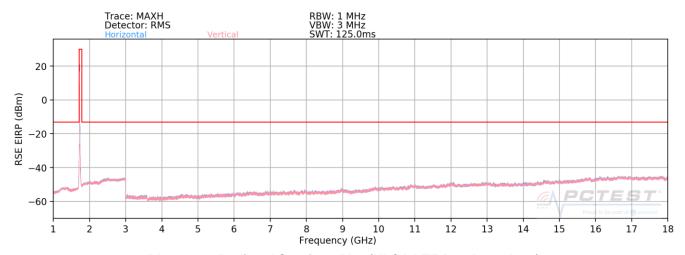
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1755.00	Н	-	-	-75.36	4.07	35.71	-59.55	-13.00	-46.55
3510.00	Н	-	-	-66.33	10.27	50.94	-44.31	-13.00	-31.31
5245.00	Н	-	-	-64.66	7.64	49.98	-45.28	-13.00	-32.28
5255.00	Н	-	-	-68.36	14.35	52.99	-42.27	-13.00	-29.27
8735.00	Н	-	-	-84.27	20.48	43.21	-52.05	-13.00	-39.05

Table 7-44. Radiated Spurious Data (NR Band n66 - n77)

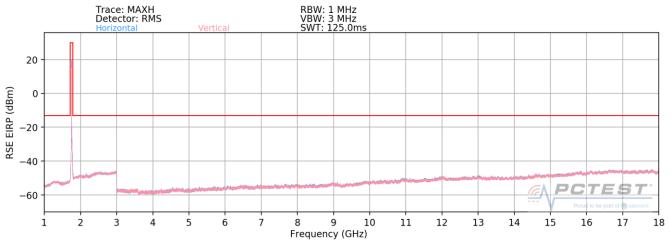
FCC ID: A3LSMS906U	Proxi to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 238 of 253	
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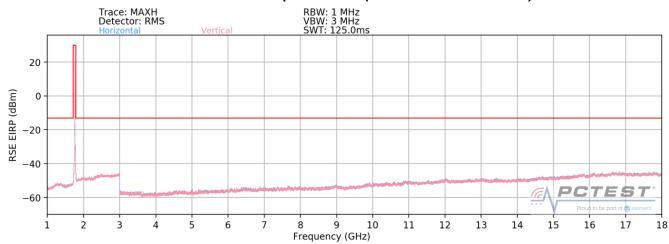
Uplink CA LTE Band 66B/C



Plot 7-373. Radiated Spurious Plot (ULCA LTE Band 66 - Low)



Plot 7-374. Radiated Spurious Plot (ULCA LTE Band 66 - Mid)



Plot 7-375. Radiated Spurious Plot (ULCA LTE Band 66 - High)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager	
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1/0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3459.8	Н	-	-	-77.52	3.71	33.19	-62.07	-13.00	-49.07
5189.7	Н	120	313	-75.46	6.62	38.16	-57.09	-13.00	-44.09
6919.6	Н	-	-	-79.11	8.45	36.34	-58.92	-13.00	-45.92
8649.5	Н	-	-	-80.24	9.56	36.32	-58.94	-13.00	-45.94
10379.4	Н	-	-	-80.71	12.31	38.60	-56.66	-13.00	-43.66
12109.3	Н	-	-	-80.77	13.90	40.13	-55.13	-13.00	-42.13

7-45. Radiated Spurious Data (ULCA LTE66 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1/0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3509.8	Н	-	-	-77.38	3.84	33.46	-61.80	-13.00	-48.80
5264.7	Н	119	313	-75.01	6.09	38.08	-57.18	-13.00	-44.18
7019.6	Н	400	270	-78.58	8.00	36.42	-58.84	-13.00	-45.84
8774.5	Н	-	-	-79.56	9.20	36.64	-58.61	-13.00	-45.61
10529.4	Н	-	-	-80.61	11.97	38.36	-56.90	-13.00	-43.90
12284.3	Н	-	-	-80.56	13.78	40.22	-55.04	-13.00	-42.04

Table 7-46. Radiated Spurious Data (ULCA LTE66 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1/0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

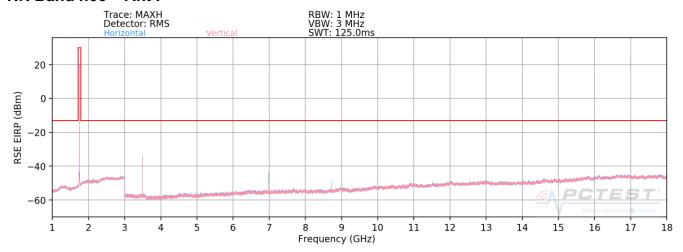
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.2	Н	-	-	-77.35	3.84	33.49	-61.76	-13.00	-48.76
5280.3	Н	125	14	-75.51	6.30	37.79	-57.46	-13.00	-44.46
7040.4	Н	-	-	-79.01	8.29	36.28	-58.98	-13.00	-45.98
8800.5	Н	-	-	-79.27	8.98	36.71	-58.55	-13.00	-45.55
10560.6	Н	-	-	-80.95	12.33	38.38	-56.88	-13.00	-43.88
12320.7	Н	-	-	-80.77	13.87	40.10	-55.16	-13.00	-42.16

Table 7-47. Radiated Spurious Data (ULCA LTE66 - High Channel)

FCC ID: A3LSMS906U	Proxi to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n66 - Ant I



Plot 7-376. Radiated Spurious Plot (NR Band n66 - Ant I)

Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 50
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.00	Н	199.00	156.00	-61.33	4.31	49.98	-45.27	-13.00	-32.27
5160.00	Н	134.00	215.00	-78.07	6.65	35.58	-59.68	-13.00	-46.68
6880.00	Н	283.00	50.00	-74.38	8.46	41.08	-54.17	-13.00	-41.17
8600.00	Н	314.00	302.00	-74.60	9.59	41.99	-53.27	-13.00	-40.27
10320.00	Н	-	-	-80.55	12.32	38.77	-56.49	-13.00	-43.49
12040.00	Н	-	-	-80.88	14.77	40.89	-54.37	-13.00	-41.37
13760.00	Н	-	-	-80.94	16.43	42.49	-52.77	-13.00	-39.77

Table 7-48. Radiated Spurious Data (NR Band n66 - Low Channel - Ant I)

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 53
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	Н	398.00	43.00	-52.48	4.31	58.83	-36.43	-13.00	-23.43
5235.00	Н	180.00	287.00	-78.02	6.83	35.81	-59.45	-13.00	-46.45
6980.00	Н	129.00	311.00	-69.85	8.50	45.65	-49.60	-13.00	-36.60
8725.00	Н	138.00	11.00	-74.81	10.48	42.67	-52.59	-13.00	-39.59
10470.00	Н	-	-	-80.87	12.50	38.63	-56.63	-13.00	-43.63
12215.00	Н	-	-	-80.56	14.45	40.89	-54.37	-13.00	-41.37
13960.00	Н	-	-	-80.84	16.01	42.17	-53.08	-13.00	-40.08

Table 7-49. Radiated Spurious Data (NR Band n66 - Mid Channel - Ant I)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50
Mode:	Stand Alone

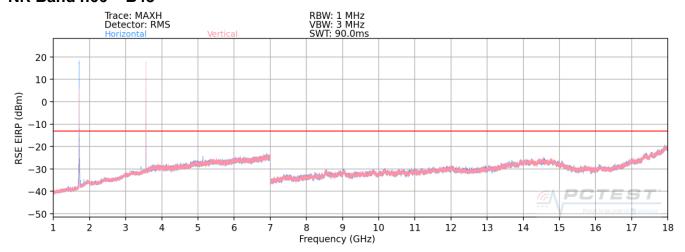
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	Н	233.00	36.00	-48.91	4.08	62.17	-33.08	-13.00	-20.08
5310.00	Н	263.00	304.00	-75.26	6.72	38.46	-56.80	-13.00	-43.80
7080.00	Н	290.00	357.00	-66.99	8.45	48.46	-46.80	-13.00	-33.80
8850.00	Н	250.00	311.00	-73.62	10.62	44.00	-51.25	-13.00	-38.25
10620.00	Н	-	-	-81.02	13.30	39.28	-55.98	-13.00	-42.98
12390.00	Н	-	-	-80.96	14.11	40.15	-55.11	-13.00	-42.11
14160.00	Н	-	-	-81.14	16.34	42.20	-53.05	-13.00	-40.05

Table 7-50. Radiated Spurious Data (NR Band n66 - High Channel - Ant I)

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n66 - B48



Plot 7-377. Radiated Spurious Plot (NR Band n66 - B48)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	1720 / 3560
RB / Offset:	1 / 53 & 1 / 50
Mode:	EN-DC
Anchor Band:	48

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3800.0	Н	252	250	-53.07	11.80	65.73	-29.53	-13.00	-16.53
5400.0	Н	114	184	-50.78	14.73	70.95	-24.31	-13.00	-11.31
5138.0	Н	186	250	-52.71	13.99	68.28	-26.98	-13.00	-13.98
6986.0	Н	123	181	-50.71	16.76	73.05	-22.21	-13.00	-9.21
7240.0	Н	-	-	-64.67	9.43	51.76	-43.49	-13.00	-30.49
9080.0	Н	-	-	-65.33	12.43	54.10	-41.16	-13.00	-28.16
10920.0	Н	-	-	-65.09	12.81	54.72	-40.54	-13.00	-27.54

Table 7-51. Radiated Spurious Data (NR Band n66 - B48)

FCC ID: A3LSMS906U	Proxi to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental a.) chamber.
- **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for b.) non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI/TIA-603-E-2016

Test Settings

- 1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
- 3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

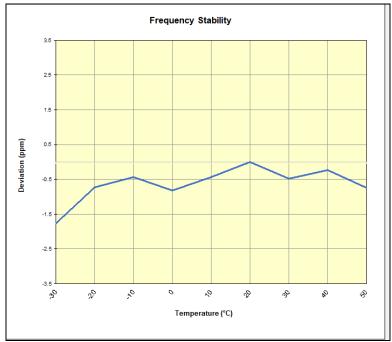
None

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LTE Band 71						
	Operating F	requency (Hz):	680,50	00,000		
	Ref.	Voltage (VDC):	4.	44		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	680,500,231	-1,205	-0.0001771	
		- 20	680,500,937	-499	-0.0000733	
		- 10	680,501,145	-291	-0.0000428	
		0	680,500,873	-563	-0.0000827	
100 %	4.44	+ 10	680,501,138	-298	-0.0000438	
		+ 20 (Ref)	680,501,436	0	0.0000000	
		+ 30	680,501,114	-322	-0.0000473	
		+ 40	680,501,281	-155	-0.0000228	
		+ 50	680,500,932	-504	-0.0000741	
Battery Endpoint	3.84	+ 20	680,501,302	-134	-0.0000197	

Table 7-52. LTE Band 71 Frequency Stability Data



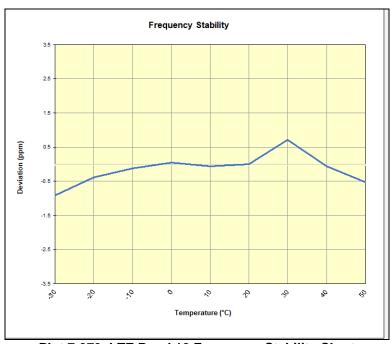
Plot 7-378. LTE Band 71 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 12						
	Operating F	requency (Hz):	707,50	0,000		
	Ref.	Voltage (VDC):	4.4	4		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	707,500,622	-651	-0.0000920	
		- 20	707,500,995	-278	-0.0000393	
		- 10	707,501,184	-89	-0.0000126	
		0	707,501,309	36	0.0000051	
100 %	4.44	+ 10	707,501,230	-43	-0.0000061	
		+ 20 (Ref)	707,501,273	0	0.0000000	
		+ 30	707,501,779	506	0.0000715	
		+ 40	707,501,231	-42	-0.0000059	
		+ 50	707,500,904	-369	-0.0000522	
Battery Endpoint	3.84	+ 20	707,501,399	126	0.0000178	

Table 7-53. LTE Band 12 Frequency Stability Data



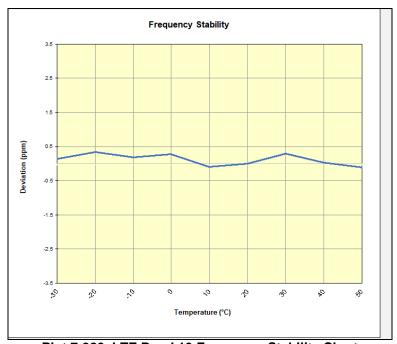
Plot 7-379. LTE Band 12 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 13						
	Operating F	requency (Hz):	782,00	00,000		
	Ref.	Voltage (VDC):	4.	44		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
,					•	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	782,001,061	111	0.0000142	
		- 20	782,001,221	271	0.0000347	
		- 10	782,001,101	151	0.0000193	
		0	782,001,170	220	0.0000281	
100 %	4.44	+ 10	782,000,876	-74	-0.0000095	
		+ 20 (Ref)	782,000,950	0	0.0000000	
		+ 30	782,001,181	231	0.0000295	
		+ 40	782,000,971	21	0.0000027	
	+ 50	782,000,867	-83	-0.0000106		
Battery Endpoint	3.84	+ 20	782,000,964	14	0.0000018	

Table 7-54. LTE Band 13 Frequency Stability Data



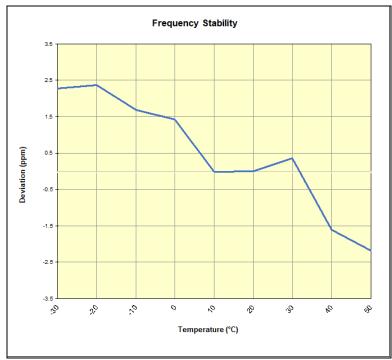
Plot 7-380. LTE Band 13 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n71						
	Operating F	requency (Hz):	680,50	00,000		
	Ref.	Voltage (VDC):	4.	44		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	680,586,241	1,546	0.0002272	
		- 20	680,586,312	1,617	0.0002376	
		- 10	680,585,846	1,151	0.0001691	
		0	680,585,662	967	0.0001421	
100 %	4.44	+ 10	680,584,686	-9	-0.0000013	
	+ 20 (Ref)	680,584,695	0	0.0000000		
	+ 30	680,584,934	239	0.0000351		
	+ 40	680,583,601	-1,094	-0.0001607		
		+ 50	680,583,206	-1,489	-0.0002188	
Battery Endpoin	3.84	+ 20	680,584,628	-67	-0.0000098	

Table 7-55. NR Band n71 Frequency Stability Data



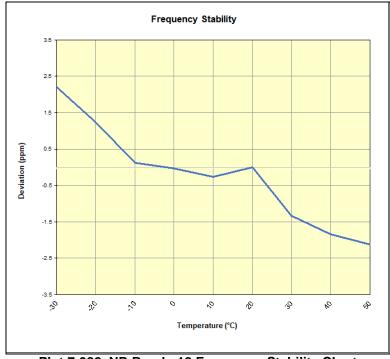
Plot 7-381. NR Band n71 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12						
	Operating F	requency (Hz):	707,50	00,000		
	Ref.	Voltage (VDC):	4.	44		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	707,158,901	1,567	0.0002216	
		- 20	707,158,215	881	0.0001246	
		- 10	707,157,417	83	0.0000117	
		0	707,157,309	-25	-0.0000035	
100 %	4.44	+ 10	707,157,150	-184	-0.0000260	
		+ 20 (Ref)	707,157,334	0	0.0000000	
		+ 30	707,156,389	-945	-0.0001336	
		+ 40	707,156,029	-1,305	-0.0001845	
		+ 50	707,155,832	-1,502	-0.0002124	
Battery Endpoin	3.84	+ 20	707,157,229	-105	-0.0000148	

Table 7-56. NR Band n12 Frequency Stability Data



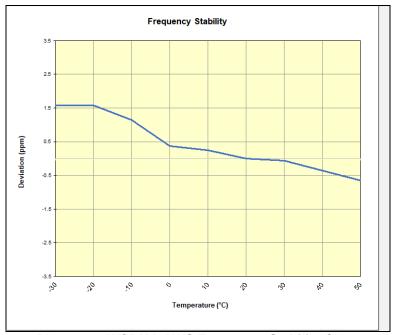
Plot 7-382. NR Band n12 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA AWS						
	Operating F	requency (Hz):	1,732,600,000			
	Ref.	Voltage (VDC):	4.44			
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
100 %	4.44	- 30	1,732,604,904	2,746	0.0001585	
		- 20	1,732,604,881	2,723	0.0001572	
		- 10	1,732,604,148	1,990	0.0001149	
		0	1,732,602,791	633	0.0000365	
		+ 10	1,732,602,584	426	0.0000246	
		+ 20 (Ref)	1,732,602,158	0	0.0000000	
		+ 30	1,732,602,052	-106	-0.0000061	
		+ 40	1,732,601,551	-607	-0.0000350	
		+ 50	1,732,601,018	-1,140	-0.0000658	
Battery Endpoint	3.84	+ 20	1,732,602,337	179	0.0000103	

Table 7-57. WCDMA AWS Frequency Stability Data



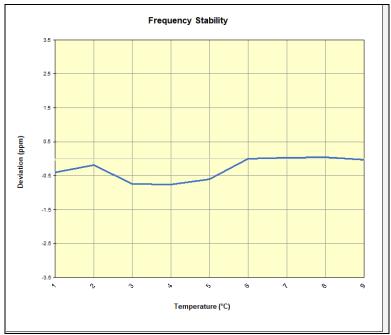
Plot 7-383. WCDMA AWS Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 66/4						
	Operating F	requency (Hz):	1,745,000,000			
	Ref.	Voltage (VDC):	4.44			
	Deviation Limit:		± 0.00025% or 2.5 ppm			
,						
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
100 %		- 30	1,745,001,033	-695	-0.0000398	
		- 20	1,745,001,402	-326	-0.0000187	
		- 10	1,745,000,418	-1,310	-0.0000751	
		0	1,745,000,411	-1,317	-0.0000755	
	4.44	+ 10	1,745,000,680	-1,048	-0.0000601	
		+ 20 (Ref)	1,745,001,728	0	0.0000000	
		+ 30	1,745,001,779	51	0.0000029	
		+ 40	1,745,001,820	92	0.0000053	
		+ 50	1,745,001,671	-57	-0.0000033	
Battery Endpoint	3.84	+ 20	1,745,001,710	-18	-0.0000010	

Table 7-58. LTE Band 66/4 Frequency Stability Data



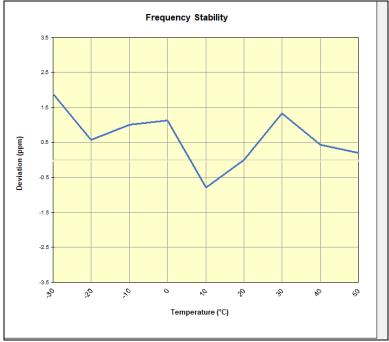
Plot 7-384. LTE Band 66/4 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n66						
	Operating F	requency (Hz):	1,745,000,000			
	Ref.	Voltage (VDC):	4.44			
		Deviation Limit:	± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
100 %	4.44	- 30	1,745,098,759	3,298	0.0001890	
		- 20	1,745,096,461	1,000	0.0000573	
		- 10	1,745,097,214	1,753	0.0001005	
		0	1,745,097,444	1,983	0.0001136	
		+ 10	1,745,094,093	-1,368	-0.0000784	
		+ 20 (Ref)	1,745,095,461	0	0.0000000	
		+ 30	1,745,097,796	2,335	0.0001338	
		+ 40	1,745,096,220	759	0.0000435	
		+ 50	1,745,095,824	363	0.0000208	
Battery Endpoin	3.84	+ 20	1,745,095,048	-413	-0.0000237	

Table 7-59. NR Band n66 Frequency Stability Data



Plot 7-385. NR Band n66 Frequency Stability Chart

FCC ID: A3LSMS906U	Proud to be part of @ element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS906U** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMS906U	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT	MSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 253 of 253
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