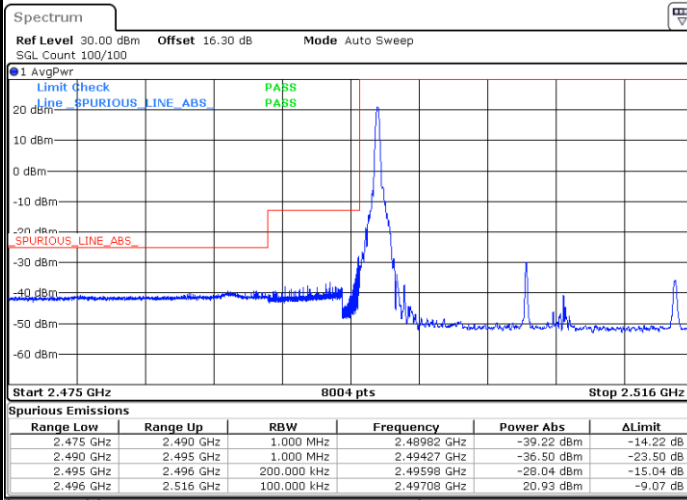




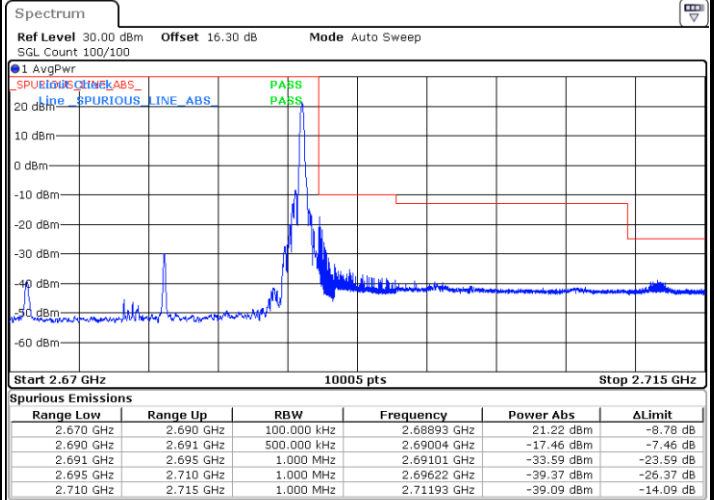
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



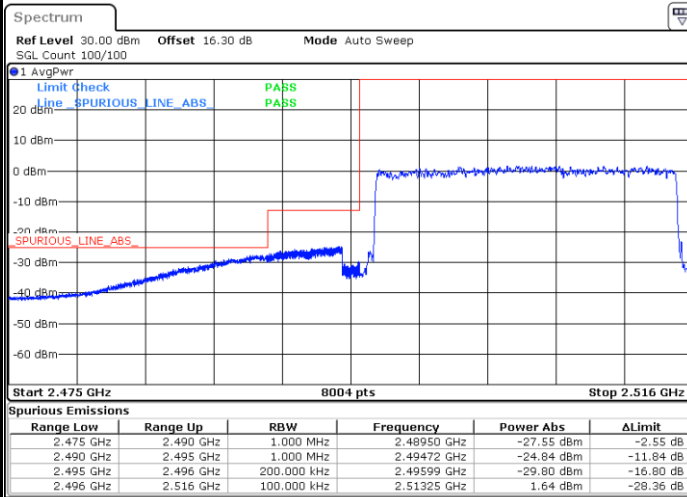
Date: 26.SEP.2020 00:02:28

Highest Band Edge / 1 RB



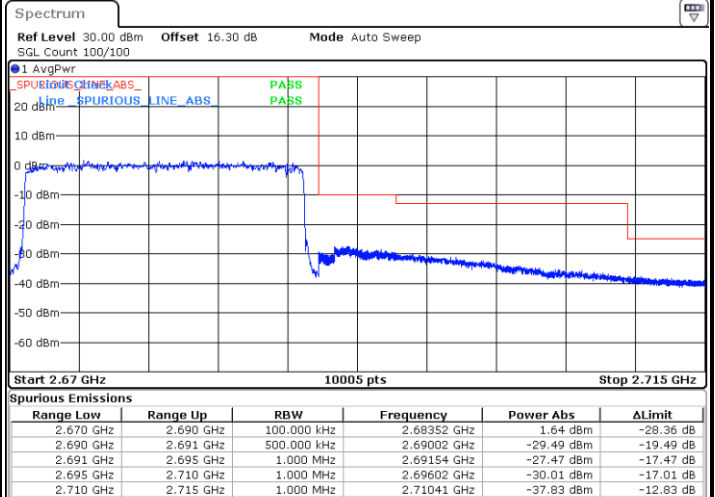
Date: 26.SEP.2020 00:06:27

Lowest Band Edge / Full RB



Date: 26.SEP.2020 00:46:18

Highest Band Edge / Full RB

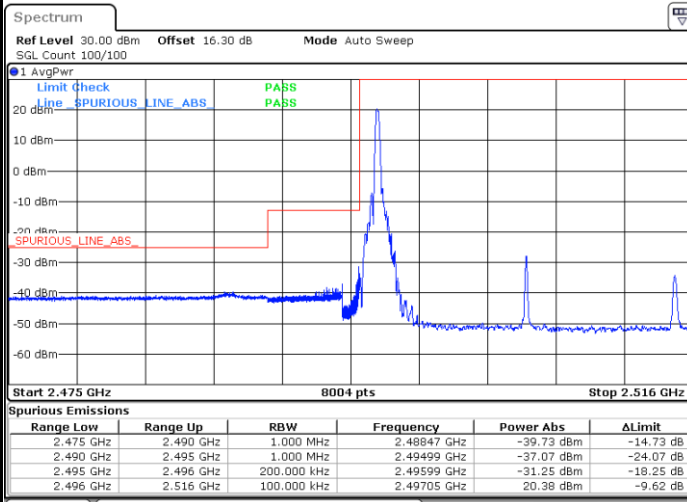


Date: 26.SEP.2020 00:07:27



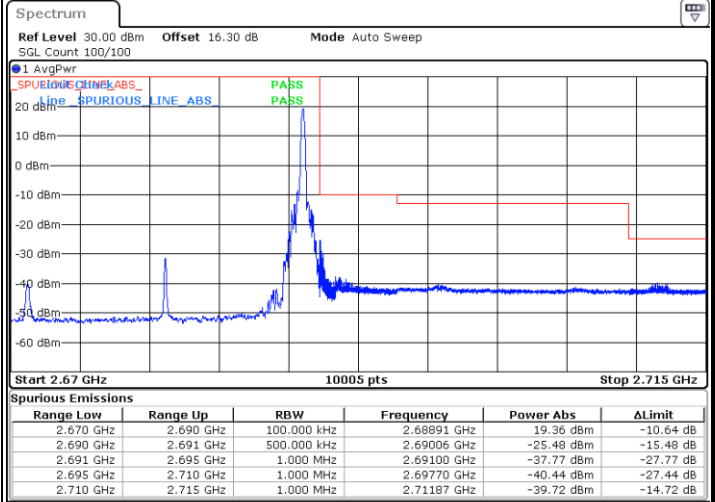
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



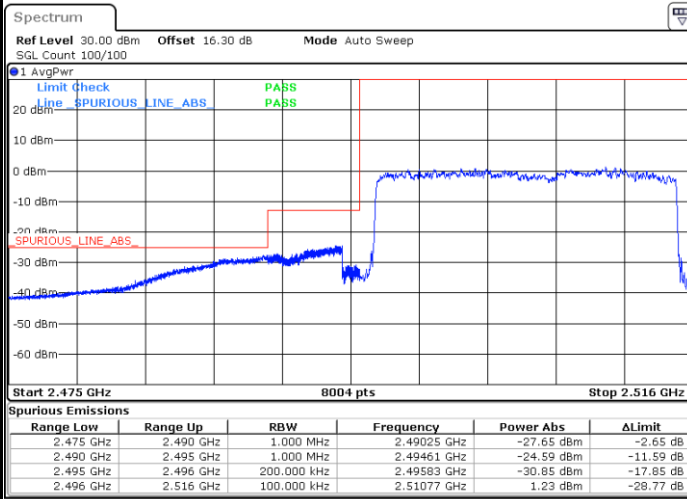
Date: 26.SEP.2020 00:09:27

Highest Band Edge / 1 RB



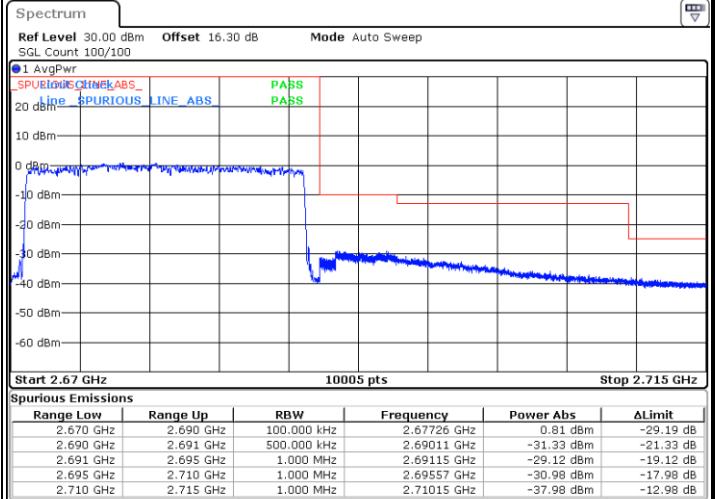
Date: 26.SEP.2020 00:11:27

Lowest Band Edge / Full RB



Date: 26.SEP.2020 00:10:28

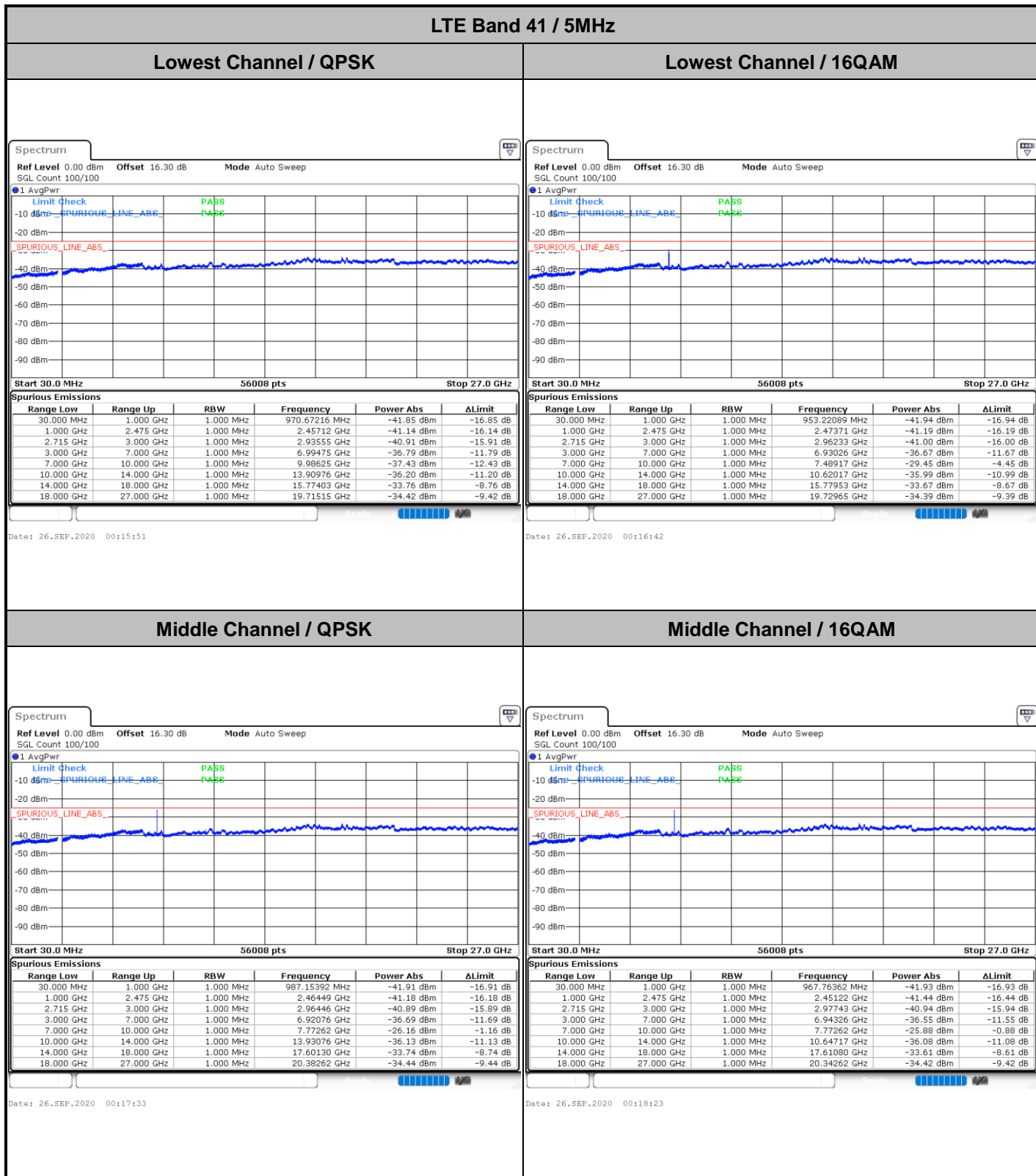
Highest Band Edge / Full RB



Date: 26.SEP.2020 00:12:27



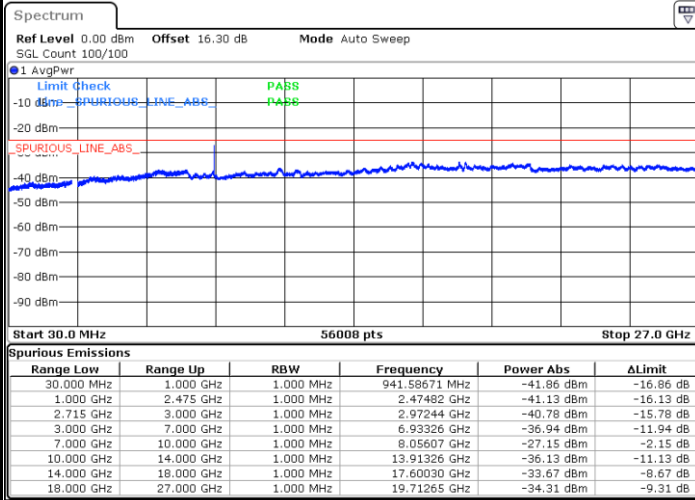
# Conducted Spurious Emission





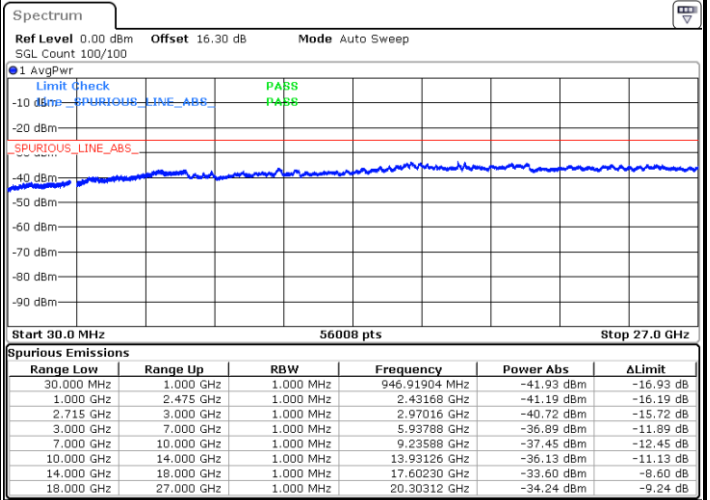
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 26.SEP.2020 00:19:14

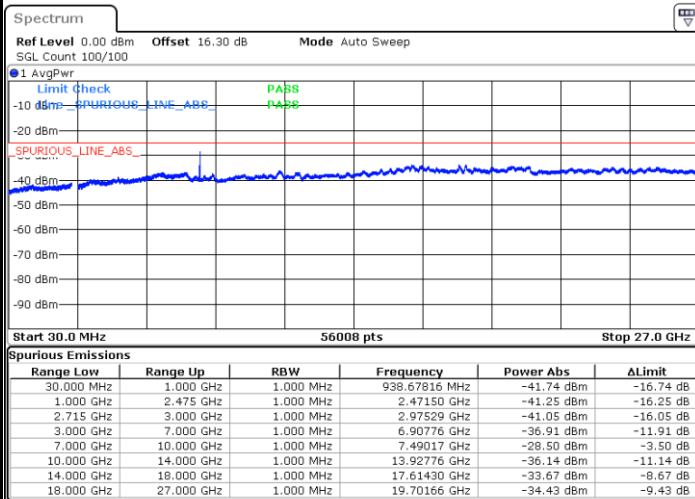
Highest Channel / 16QAM



Date: 26.SEP.2020 00:45:50

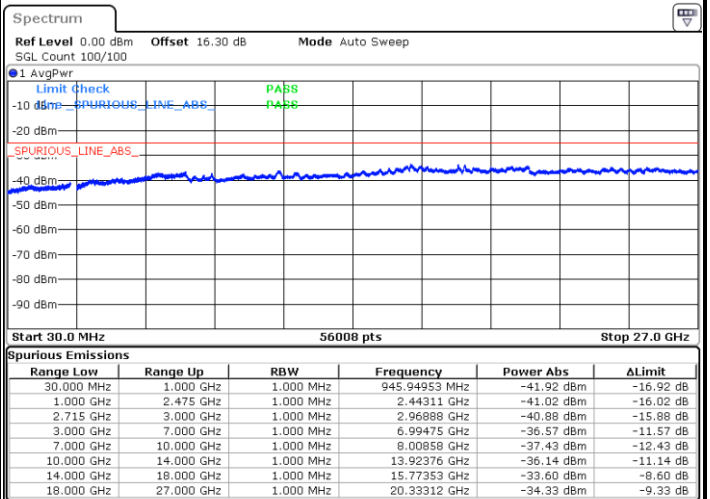
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 26.SEP.2020 00:23:29

Lowest Channel / 16QAM



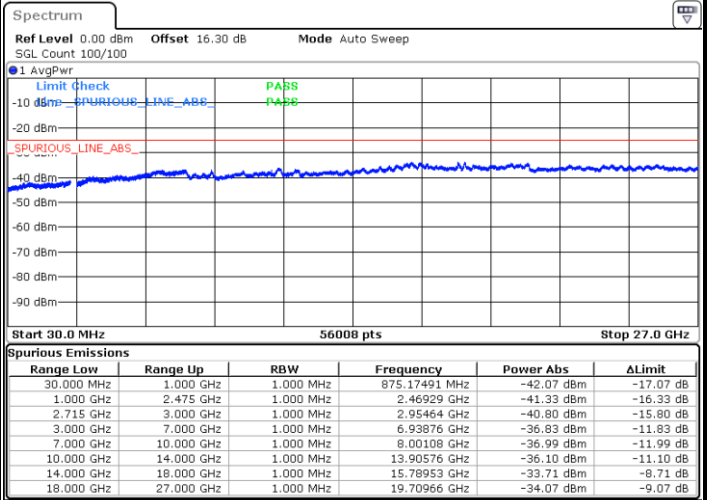
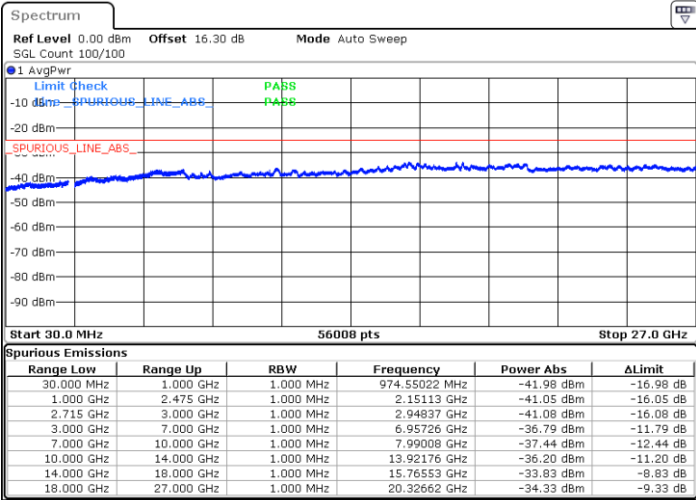
Date: 26.SEP.2020 00:24:19



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

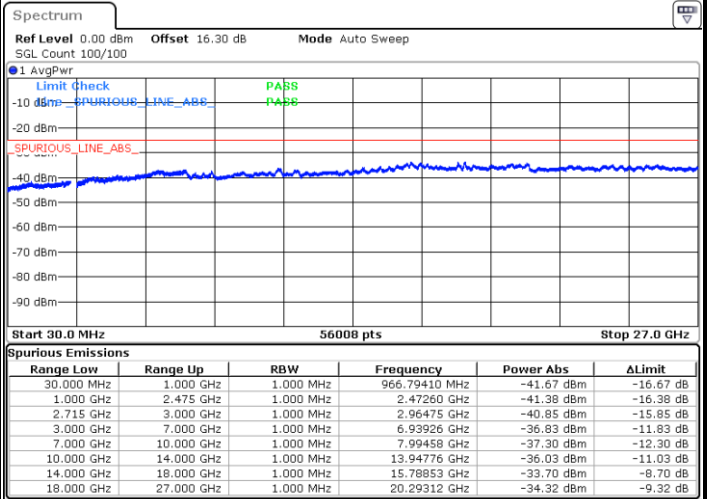
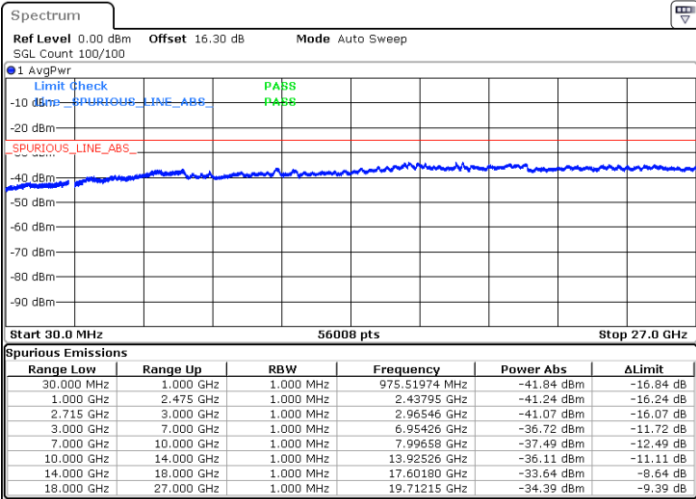


Date: 26.SEP.2020 00:25:10

Date: 26.SEP.2020 00:26:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26.SEP.2020 00:26:51

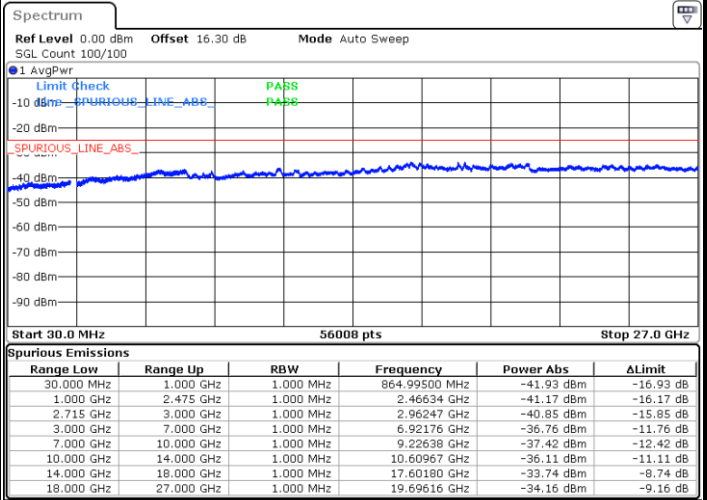
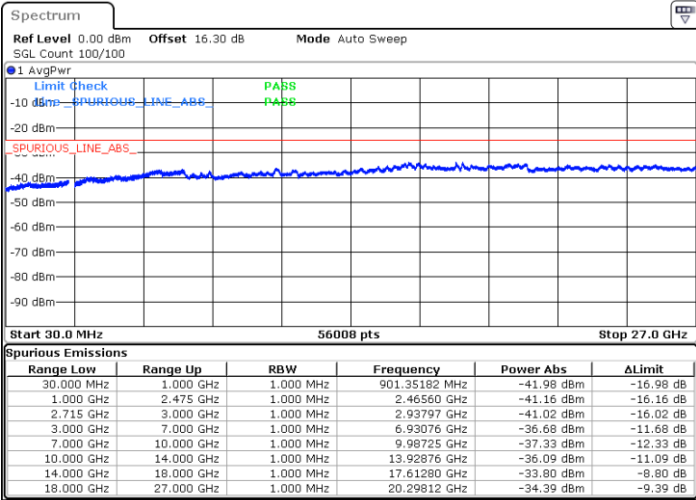
Date: 26.SEP.2020 00:27:42



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

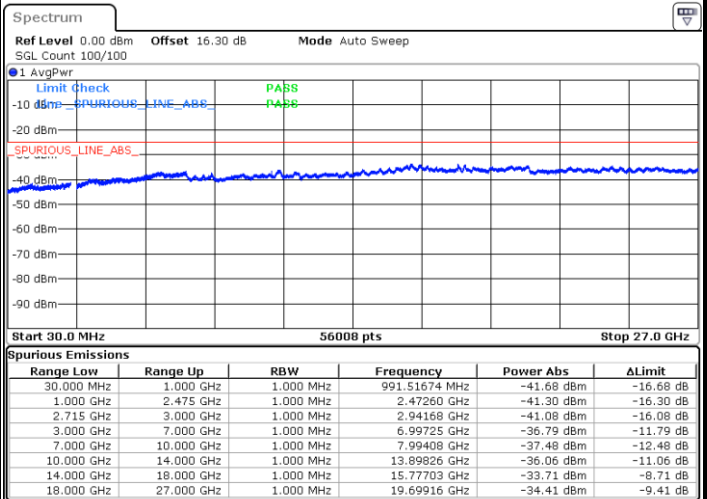
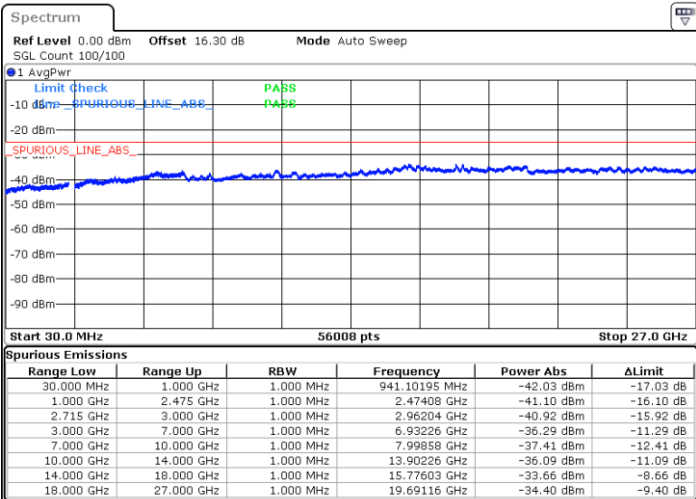


Date: 26.SEP.2020 00:28:34

Date: 26.SEP.2020 00:29:25

Middle Channel / QPSK

Middle Channel / 16QAM



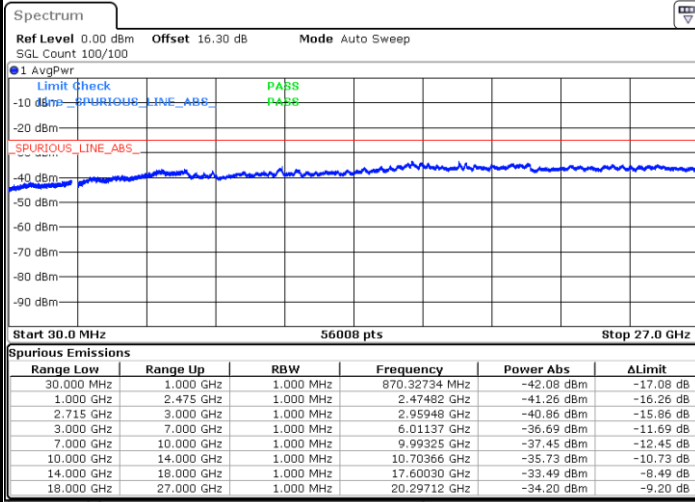
Date: 26.SEP.2020 00:30:16

Date: 26.SEP.2020 00:31:06



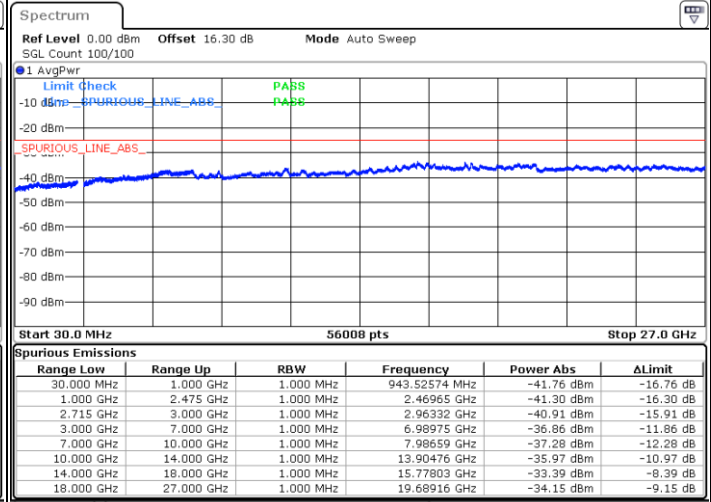
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 26.SEP.2020 00:31:57

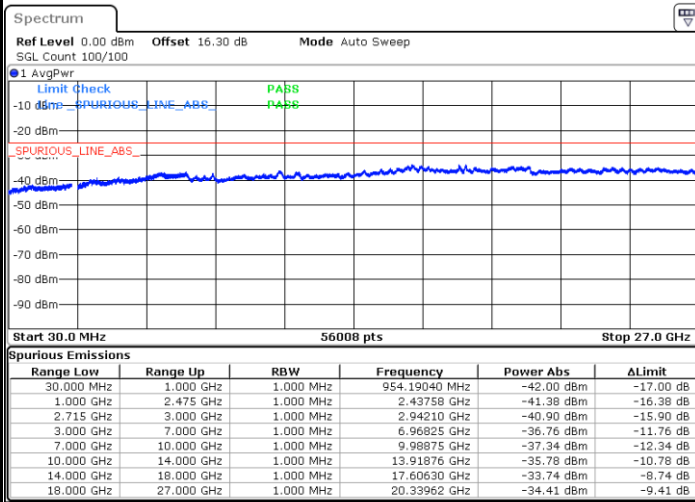
Highest Channel / 16QAM



Date: 26.SEP.2020 00:32:48

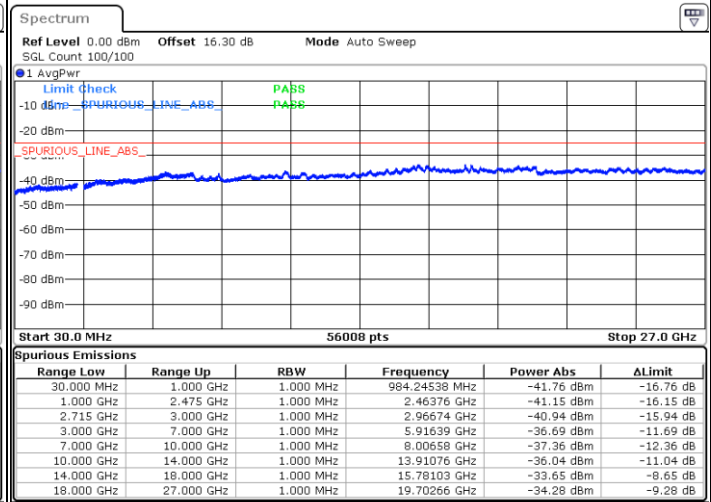
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 26.SEP.2020 00:38:43

Lowest Channel / 16QAM



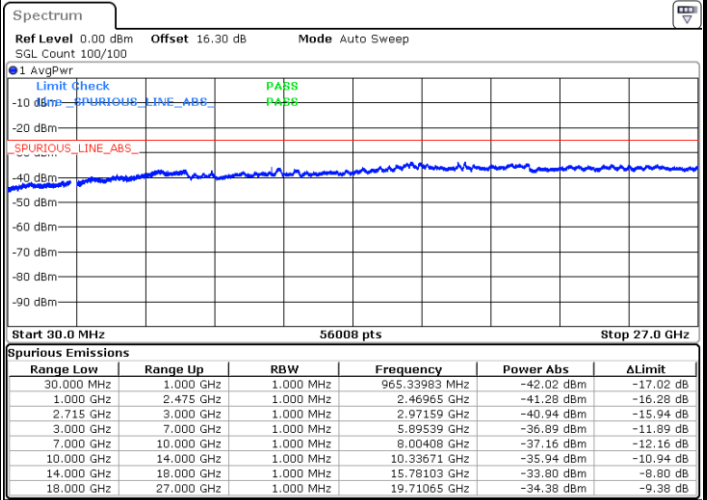
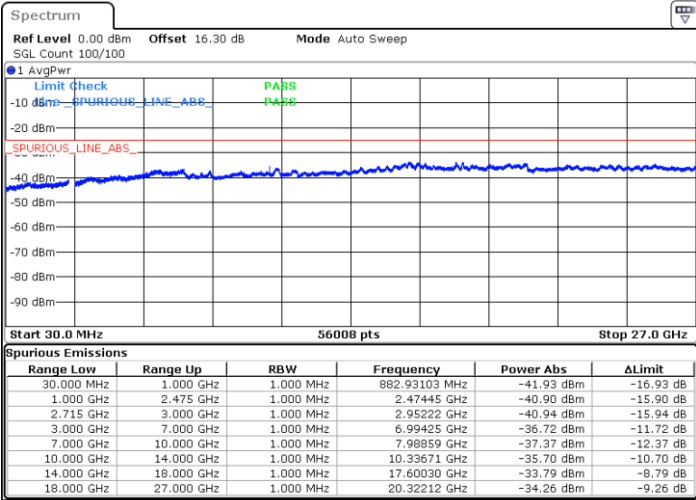
Date: 26.SEP.2020 00:39:33



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

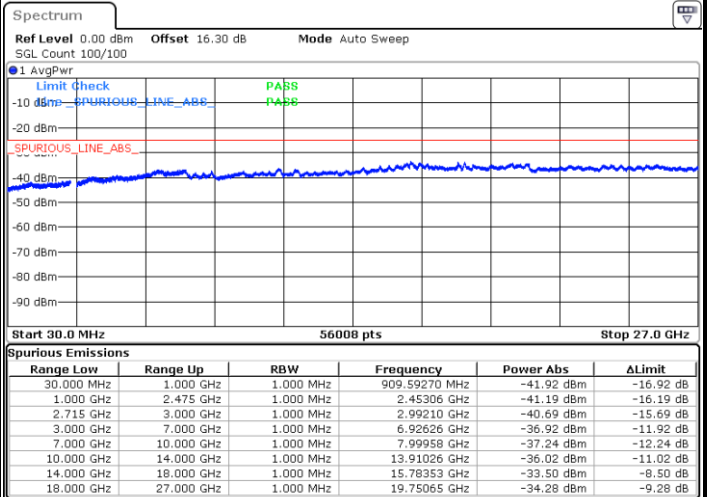
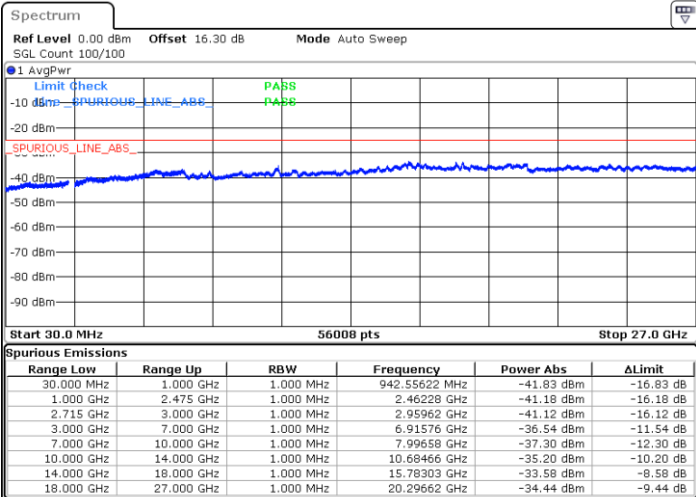


Date: 26.SEP.2020 00:40:24

Date: 26.SEP.2020 00:41:14

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26.SEP.2020 00:42:04

Date: 26.SEP.2020 00:42:55

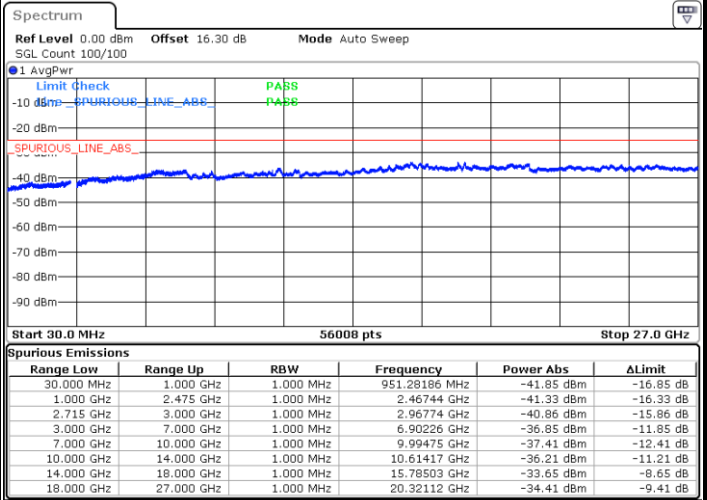
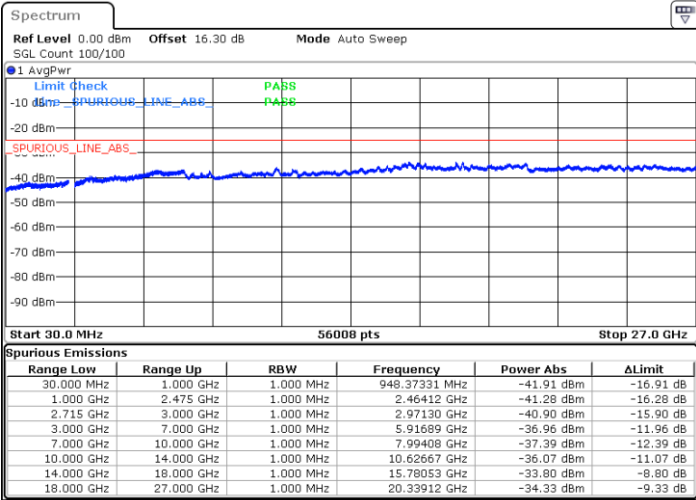




LTE Band 41 / 5MHz

Lowest Channel / 64QAM

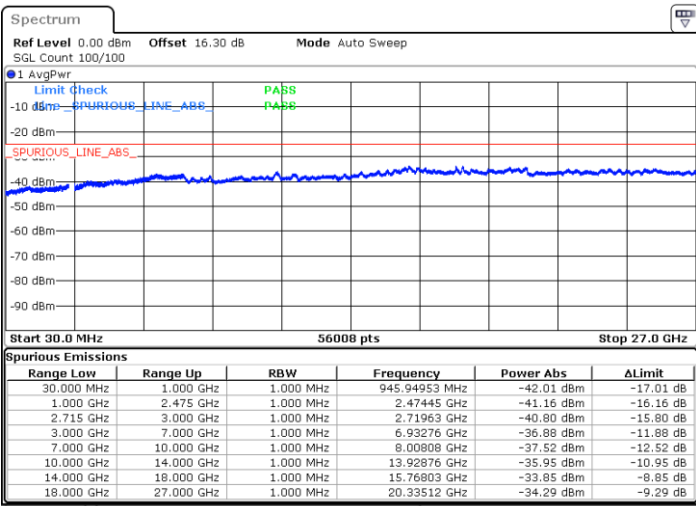
Middle Channel / 64QAM



Date: 26.SEP.2020 00:13:20

Date: 26.SEP.2020 00:14:10

Highest Channel / 64QAM



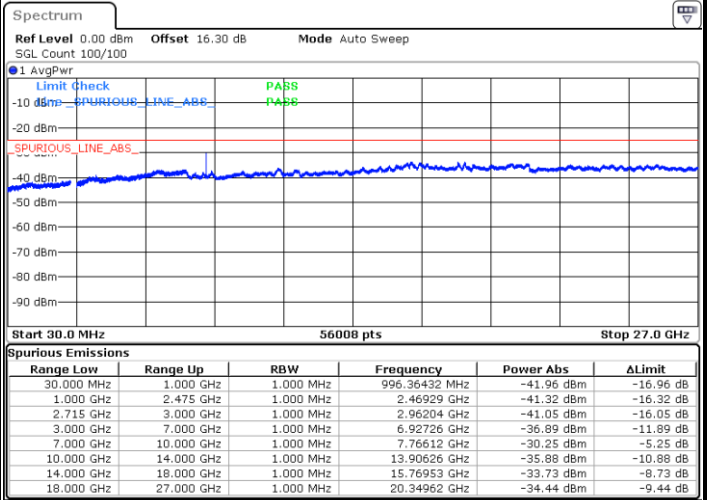
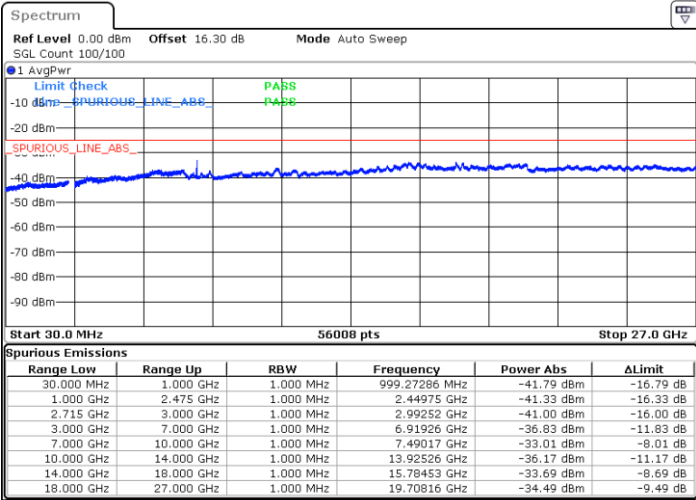
Date: 26.SEP.2020 00:15:01



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

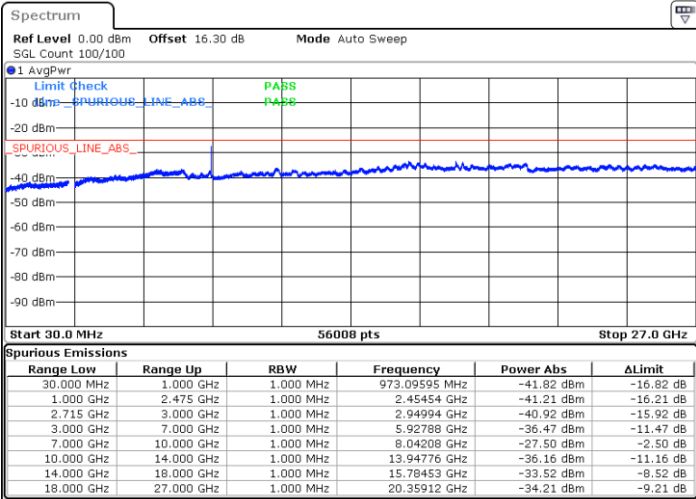
Middle Channel / 64QAM



Date: 26.SEP.2020 00:20:57

Date: 26.SEP.2020 00:21:48

Highest Channel / 64QAM



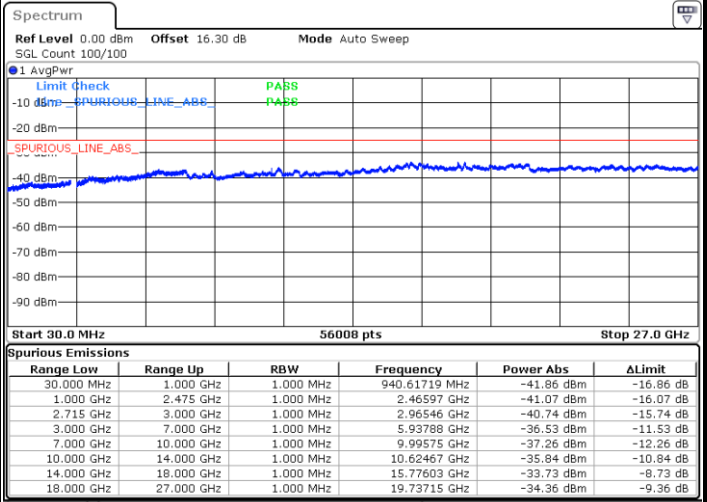
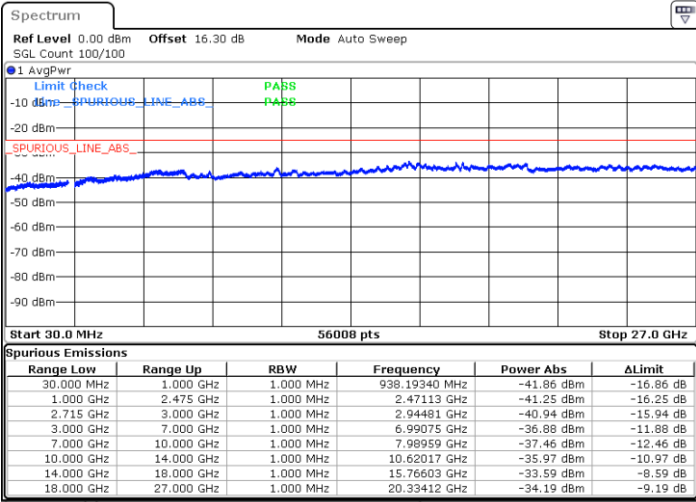
Date: 26.SEP.2020 00:22:38



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

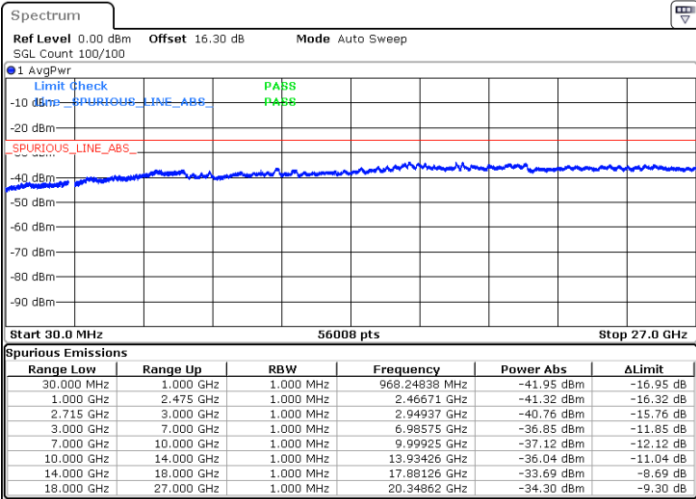
Middle Channel / 64QAM



Date: 26.SEP.2020 00:33:38

Date: 26.SEP.2020 00:34:29

Highest Channel / 64QAM



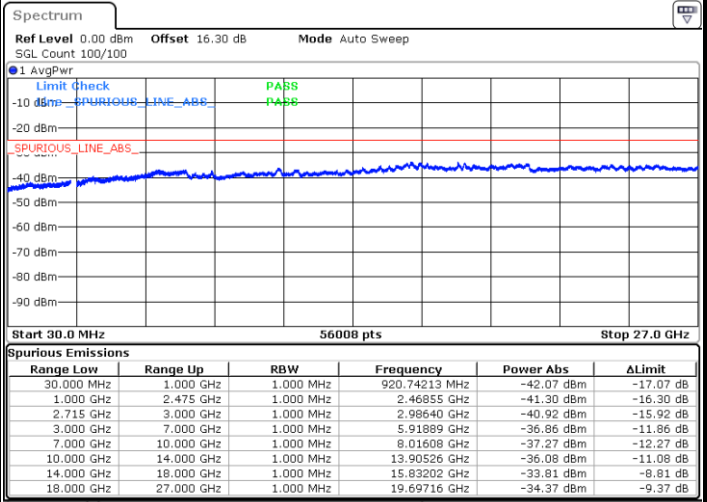
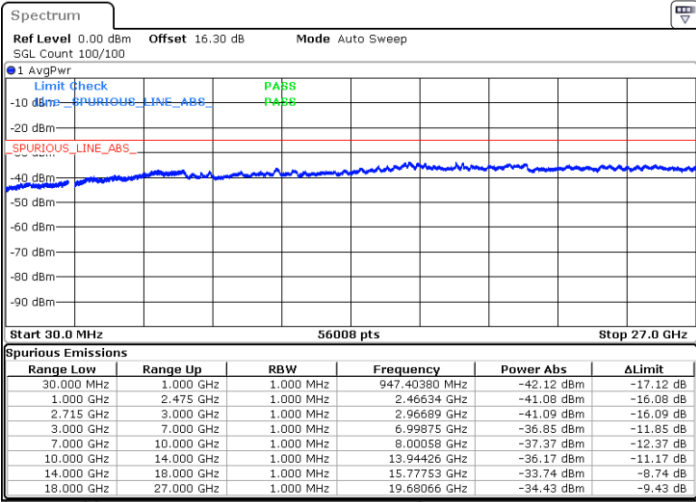
Date: 26.SEP.2020 00:35:19



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

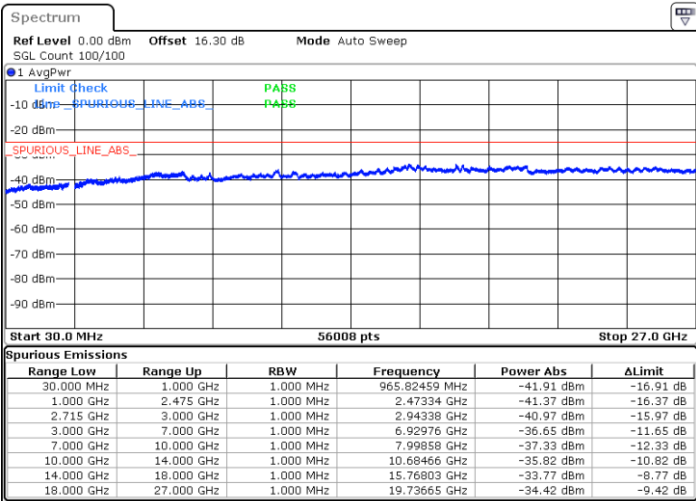
Middle Channel / 64QAM



Date: 26.SEP.2020 00:36:11

Date: 26.SEP.2020 00:37:02

Highest Channel / 64QAM



Date: 26.SEP.2020 00:37:52



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0050	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0062	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.39 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of ERP/EIRP and Radiated Test

### ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.49	0.2812	26.77	0.4753
Middle		1	0	24.68	0.2938	26.96	0.4966
Highest		1	0	24.53	0.2838	26.81	0.4797
Lowest	16QAM	1	0	23.92	0.2466	26.20	0.4169
Middle		1	0	23.74	0.2366	26.02	0.3999
Highest		1	0	23.72	0.2355	26.00	0.3981
Lowest	64QAM	1	3	22.97	0.1982	25.25	0.3350
Middle		1	3	22.48	0.1770	24.76	0.2992
Highest		1	3	22.52	0.1786	24.80	0.3020
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.46	0.2793	26.74	0.4721
Middle		1	0	24.75	0.2985	27.03	0.5047
Highest		1	0	24.38	0.2742	26.66	0.4634
Lowest	16QAM	1	8	24.02	0.2523	26.30	0.4266
Middle		1	8	23.80	0.2399	26.08	0.4055
Highest		1	8	23.88	0.2443	26.16	0.4130
Lowest	64QAM	1	14	22.39	0.1734	24.67	0.2931
Middle		1	14	22.99	0.1991	25.27	0.3365
Highest		1	14	22.62	0.1828	24.90	0.3090
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.52	0.2831	26.80	0.4786
Middle		1	0	24.82	0.3034	27.10	0.5129
Highest		1	0	24.55	0.2851	26.83	0.4819
Lowest	16QAM	1	12	24.04	0.2535	26.32	0.4285
Middle		1	12	24.00	0.2512	26.28	0.4246
Highest		1	12	23.88	0.2443	26.16	0.4130
Lowest	64QAM	1	12	23.15	0.2065	25.43	0.3491
Middle		1	12	22.68	0.1854	24.96	0.3133
Highest		1	12	22.60	0.1820	24.88	0.3076
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.57	0.2864	26.85	0.4842
Middle		1	0	24.86	0.3062	27.14	0.5176
Highest		1	0	24.67	0.2931	26.95	0.4955
Lowest	16QAM	1	25	24.12	0.2582	26.40	0.4365
Middle		1	25	24.13	0.2588	26.41	0.4375
Highest		1	25	23.91	0.2460	26.19	0.4159
Lowest	64QAM	1	25	23.15	0.2065	25.43	0.3491
Middle		1	25	22.78	0.1897	25.06	0.3206
Highest		1	25	22.73	0.1875	25.01	0.3170
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.76	0.2992	27.04	0.5058
Middle		1	0	24.92	0.3105	27.20	0.5248
Highest		1	0	24.68	0.2938	26.96	0.4966
Lowest	16QAM	1	0	24.19	0.2624	26.47	0.4436
Middle		1	0	23.99	0.2506	26.27	0.4236
Highest		1	0	23.96	0.2489	26.24	0.4207
Lowest	64QAM	1	37	23.21	0.2094	25.49	0.3540
Middle		1	37	22.86	0.1932	25.14	0.3266
Highest		1	37	22.90	0.1950	25.18	0.3296
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 2.28 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.91	0.3097	27.19	0.5236
Middle		1	0	25.06	0.3206	27.34	0.5420
Highest		1	0	24.80	0.3020	27.08	0.5105
Lowest	16QAM	1	49	24.26	0.2667	26.54	0.4508
Middle		1	49	24.15	0.2600	26.43	0.4395
Highest		1	49	24.08	0.2559	26.36	0.4325
Lowest	64QAM	1	49	23.23	0.2104	25.51	0.3556
Middle		1	49	23.03	0.2009	25.31	0.3396
Highest		1	49	23.04	0.2014	25.32	0.3404
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.17	0.2612	26.54	0.4508
Middle		1	0	24.64	0.2911	27.01	0.5023
Highest		1	0	24.63	0.2904	27.00	0.5012
Lowest	16QAM	1	0	23.62	0.2301	25.99	0.3972
Middle		1	0	23.98	0.2500	26.35	0.4315
Highest		1	0	23.63	0.2307	26.00	0.3981
Lowest	64QAM	1	0	22.81	0.1910	25.18	0.3296
Middle		1	0	22.87	0.1936	25.24	0.3342
Highest		1	0	22.59	0.1816	24.96	0.3133
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.35	0.2723	26.72	0.4699
Middle		1	0	24.61	0.2891	26.98	0.4989
Highest		1	0	24.74	0.2979	27.11	0.5140
Lowest	16QAM	1	0	23.74	0.2366	26.11	0.4083
Middle		1	0	23.93	0.2472	26.30	0.4266
Highest		1	0	23.70	0.2344	26.07	0.4046
Lowest	64QAM	1	0	22.70	0.1862	25.07	0.3214
Middle		1	0	22.90	0.1950	25.27	0.3365
Highest		1	0	22.77	0.1892	25.14	0.3266
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.36	0.2729	26.73	0.4710
Middle		1	0	24.68	0.2938	27.05	0.5070
Highest		1	0	24.74	0.2979	27.11	0.5140
Lowest	16QAM	1	0	23.79	0.2393	26.16	0.4130
Middle		1	0	24.01	0.2518	26.38	0.4345
Highest		1	0	23.80	0.2399	26.17	0.4140
Lowest	64QAM	1	0	22.89	0.1945	25.26	0.3357
Middle		1	0	22.90	0.1950	25.27	0.3365
Highest		1	0	22.79	0.1901	25.16	0.3281
Limit	EIRP < 1W			Result		PASS	





LTE Band 4 / 10MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.54	0.2844	26.91	0.4909
Middle		1	0	24.79	0.3013	27.16	0.5200
Highest		1	0	24.74	0.2979	27.11	0.5140
Lowest	16QAM	1	0	23.98	0.2500	26.35	0.4315
Middle		1	0	24.07	0.2553	26.44	0.4406
Highest		1	0	23.96	0.2489	26.33	0.4295
Lowest	64QAM	1	0	22.94	0.1968	25.31	0.3396
Middle		1	0	23.03	0.2009	25.40	0.3467
Highest		1	0	22.88	0.1941	25.25	0.3350
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.64	0.2911	27.01	0.5023
Middle		1	0	24.89	0.3083	27.26	0.5321
Highest		1	0	24.77	0.2999	27.14	0.5176
Lowest	16QAM	1	0	23.98	0.2500	26.35	0.4315
Middle		1	0	24.18	0.2618	26.55	0.4519
Highest		1	0	24.14	0.2594	26.51	0.4477
Lowest	64QAM	1	0	22.96	0.1977	25.33	0.3412
Middle		1	0	23.04	0.2014	25.41	0.3475
Highest		1	0	22.92	0.1959	25.29	0.3381
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 2.37 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.83	0.3041	27.20	0.5248
Middle		1	0	24.89	0.3083	27.26	0.5321
Highest		1	0	24.84	0.3048	27.21	0.5260
Lowest	16QAM	1	0	24.08	0.2559	26.45	0.4416
Middle		1	0	24.21	0.2636	26.58	0.4550
Highest		1	0	24.17	0.2612	26.54	0.4508
Lowest	64QAM	1	0	23.01	0.2000	25.38	0.3451
Middle		1	0	23.12	0.2051	25.49	0.3540
Highest		1	0	23.07	0.2028	25.44	0.3499
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 0.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	24.79	0.3013	22.76	0.1888
Middle		1	3	24.73	0.2972	22.70	0.1862
Highest		1	3	23.86	0.2432	21.83	0.1524
Lowest	16QAM	1	0	23.91	0.2460	21.88	0.1542
Middle		1	0	24.07	0.2553	22.04	0.1600
Highest		1	0	23.99	0.2506	21.96	0.1570
Lowest	64QAM	1	3	22.84	0.1923	20.81	0.1205
Middle		1	3	22.77	0.1892	20.74	0.1186
Highest		1	3	22.28	0.1690	20.25	0.1059
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 0.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.79	0.3013	22.76	0.1888
Middle		1	0	24.66	0.2924	22.63	0.1832
Highest		1	0	24.79	0.3013	22.76	0.1888
Lowest	16QAM	1	0	23.91	0.2460	21.88	0.1542
Middle		1	0	24.25	0.2661	22.22	0.1667
Highest		1	0	24.03	0.2529	22.00	0.1585
Lowest	64QAM	1	0	22.95	0.1972	20.92	0.1236
Middle		1	0	22.83	0.1919	20.80	0.1202
Highest		1	0	22.92	0.1959	20.89	0.1227
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 0.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	24.89	0.3083	22.86	0.1932
Middle		1	12	24.87	0.3069	22.84	0.1923
Highest		1	12	24.14	0.2594	22.11	0.1626
Lowest	16QAM	1	0	24.11	0.2576	22.08	0.1614
Middle		1	0	24.30	0.2692	22.27	0.1687
Highest		1	0	24.11	0.2576	22.08	0.1614
Lowest	64QAM	1	12	23.04	0.2014	21.01	0.1262
Middle		1	12	23.02	0.2004	20.99	0.1256
Highest		1	12	22.56	0.1803	20.53	0.1130
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 0.12 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	25.01	0.3170	22.98	0.1986
Middle		1	0	25.05	0.3199	23.02	0.2004
Highest		1	0	24.93	0.3112	22.90	0.1950
Lowest	16QAM	1	0	24.28	0.2679	22.25	0.1679
Middle		1	0	24.30	0.2692	22.27	0.1687
Highest		1	0	24.25	0.2661	22.22	0.1667
Lowest	64QAM	1	0	23.21	0.2094	21.18	0.1312
Middle		1	0	23.20	0.2089	21.17	0.1309
Highest		1	0	23.17	0.2075	21.14	0.1300
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.66	0.2323	27.63	0.5794
Middle		1	24	23.70	0.2344	27.67	0.5848
Highest		1	24	23.69	0.2339	27.66	0.5834
Lowest	16QAM	1	12	22.81	0.1910	26.78	0.4764
Middle		1	12	23.11	0.2046	27.08	0.5105
Highest		1	12	23.03	0.2009	27.00	0.5012
Lowest	64QAM	1	12	21.92	0.1556	25.89	0.3882
Middle		1	12	21.97	0.1574	25.94	0.3926
Highest		1	12	21.83	0.1524	25.80	0.3802
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.68	0.2333	27.65	0.5821
Middle		1	49	23.79	0.2393	27.76	0.5970
Highest		1	49	23.69	0.2339	27.66	0.5834
Lowest	16QAM	1	25	22.82	0.1914	26.79	0.4775
Middle		1	25	23.11	0.2046	27.08	0.5105
Highest		1	25	23.05	0.2018	27.02	0.5035
Lowest	64QAM	1	25	21.92	0.1556	25.89	0.3882
Middle		1	25	21.97	0.1574	25.94	0.3926
Highest		1	25	21.87	0.1538	25.84	0.3837
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	23.72	0.2355	27.69	0.5875
Middle		1	74	23.84	0.2421	27.81	0.6039
Highest		1	74	23.76	0.2377	27.73	0.5929
Lowest	16QAM	1	37	23.02	0.2004	26.99	0.5000
Middle		1	37	23.11	0.2046	27.08	0.5105
Highest		1	37	23.10	0.2042	27.07	0.5093
Lowest	64QAM	1	37	21.94	0.1563	25.91	0.3899
Middle		1	37	22.11	0.1626	26.08	0.4055
Highest		1	37	21.89	0.1545	25.86	0.3855
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.84	0.2421	27.81	0.6039
Middle		1	0	23.92	0.2466	27.89	0.6152
Highest		1	0	23.80	0.2399	27.77	0.5984
Lowest	16QAM	1	49	23.10	0.2042	27.07	0.5093
Middle		1	49	23.21	0.2094	27.18	0.5224
Highest		1	49	23.13	0.2056	27.10	0.5129
Lowest	64QAM	1	49	22.10	0.1622	26.07	0.4046
Middle		1	49	22.18	0.1652	26.15	0.4121
Highest		1	49	22.09	0.1618	26.06	0.4036
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.55	0.2265	27.52	0.5649
Middle		1	0	23.64	0.2312	27.61	0.5768
Highest		1	0	23.63	0.2307	27.60	0.5754
Lowest	16QAM	1	0	22.74	0.1879	26.71	0.4688
Middle		1	0	22.69	0.1858	26.66	0.4634
Highest		1	0	22.78	0.1897	26.75	0.4732
Lowest	64QAM	1	24	21.36	0.1368	25.33	0.3412
Middle		1	24	21.45	0.1396	25.42	0.3483
Highest		1	24	21.62	0.1452	25.59	0.3622
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.74	0.2366	27.71	0.5902
Middle		1	0	23.69	0.2339	27.66	0.5834
Highest		1	0	23.63	0.2307	27.60	0.5754
Lowest	16QAM	1	0	22.93	0.1963	26.90	0.4898
Middle		1	0	22.81	0.1910	26.78	0.4764
Highest		1	0	22.90	0.1950	26.87	0.4864
Lowest	64QAM	1	0	21.70	0.1479	25.67	0.3690
Middle		1	0	21.50	0.1413	25.47	0.3524
Highest		1	0	21.67	0.1469	25.64	0.3664
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.74	0.2366	27.71	0.5902
Middle		1	0	23.69	0.2339	27.66	0.5834
Highest		1	0	23.63	0.2307	27.60	0.5754
Lowest	16QAM	1	0	22.93	0.1963	26.90	0.4898
Middle		1	0	22.81	0.1910	26.78	0.4764
Highest		1	0	22.90	0.1950	26.87	0.4864
Lowest	64QAM	1	0	21.70	0.1479	25.67	0.3690
Middle		1	0	21.50	0.1413	25.47	0.3524
Highest		1	0	21.67	0.1469	25.64	0.3664
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 3.97 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.75	0.2371	27.72	0.5916
Middle		1	0	23.75	0.2371	27.72	0.5916
Highest		1	0	23.82	0.2410	27.79	0.6012
Lowest	16QAM	1	0	22.82	0.1914	26.79	0.4775
Middle		1	0	22.88	0.1941	26.85	0.4842
Highest		1	0	22.94	0.1968	26.91	0.4909
Lowest	64QAM	1	0	21.77	0.1503	25.74	0.3750
Middle		1	0	21.64	0.1459	25.61	0.3639
Highest		1	0	21.73	0.1489	25.70	0.3715
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 3.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.23	0.2104	26.34	0.4305
Middle		1	24	23.19	0.2084	26.30	0.4266
Highest		1	24	23.42	0.2198	26.53	0.4498
Lowest	16QAM	1	0	22.29	0.1694	25.40	0.3467
Middle		1	0	22.42	0.1746	25.53	0.3573
Highest		1	0	22.56	0.1803	25.67	0.3690
Lowest	64QAM	1	24	21.40	0.1380	24.51	0.2825
Middle		1	24	21.00	0.1259	24.11	0.2576
Highest		1	24	21.29	0.1346	24.40	0.2754
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 3.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	23.37	0.2173	26.48	0.4446
Middle		1	49	23.33	0.2153	26.44	0.4406
Highest		1	49	23.49	0.2234	26.60	0.4571
Lowest	16QAM	1	0	22.32	0.1706	25.43	0.3491
Middle		1	0	22.53	0.1791	25.64	0.3664
Highest		1	0	22.63	0.1832	25.74	0.3750
Lowest	64QAM	1	49	21.47	0.1403	24.58	0.2871
Middle		1	49	21.12	0.1294	24.23	0.2649
Highest		1	49	21.31	0.1352	24.42	0.2767
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 3.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	23.49	0.2234	26.60	0.4571
Middle		1	37	23.58	0.2280	26.69	0.4667
Highest		1	37	23.55	0.2265	26.66	0.4634
Lowest	16QAM	1	37	22.63	0.1832	25.74	0.3750
Middle		1	37	22.69	0.1858	25.80	0.3802
Highest		1	37	22.71	0.1866	25.82	0.3819
Lowest	64QAM	1	37	21.42	0.1387	24.53	0.2838
Middle		1	37	21.53	0.1422	24.64	0.2911
Highest		1	37	21.43	0.1390	24.54	0.2844
Limit	EIRP < 2W			Result		PASS	





LTE Band 38 / 20MHz (Peak) (GT - LC = 3.11 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.56	0.2270	26.67	0.4645
Middle		1	0	23.66	0.2323	26.77	0.4753
Highest		1	0	23.56	0.2270	26.67	0.4645
Lowest	16QAM	1	49	22.76	0.1888	25.87	0.3864
Middle		1	49	22.77	0.1892	25.88	0.3873
Highest		1	49	22.75	0.1884	25.86	0.3855
Lowest	64QAM	1	99	21.56	0.1432	24.67	0.2931
Middle		1	99	21.50	0.1413	24.61	0.2891
Highest		1	99	21.47	0.1403	24.58	0.2871
Limit	EIRP < 2W			Result		PASS	



**Radiated Spurious Emission**

<For SIM 1>

**LTE Band 2**

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-57.43	-13	-44.43	-77.88	-64	1.67	8.24	H
	5556	-55.43	-13	-42.43	-80.49	-62.5	2.66	9.72	H
	9252	-40.44	-13	-27.44	-70.91	-50.5	2.54	12.60	H
									H
									H
									H
	3702	-57.63	-13	-44.63	-78.4	-64.2	1.67	8.24	V
	5556	-55.73	-13	-42.73	-80.65	-62.8	2.66	9.72	V
	9252	-37.44	-13	-24.44	-68.51	-47.5	2.54	12.60	V
									V
									V
									V
Middle	3744	-55.59	-13	-42.59	-75.92	-62.2	1.68	8.29	H
	5616	-55.45	-13	-42.45	-80.72	-62.5	2.69	9.75	H
	9357	-37.50	-13	-24.50	-68.44	-47.5	2.56	12.56	H
									H
									H
									H
	3744	-57.69	-13	-44.69	-78.29	-64.3	1.68	8.29	V
	5616	-56.15	-13	-43.15	-80.85	-63.2	2.69	9.75	V
	9357	-37.90	-13	-24.90	-68.82	-47.9	2.56	12.56	V
									V
									V
									V



Highest	3786	-55.55	-13	-42.55	-76.19	-62.2	1.69	8.34	H
	5676	-55.06	-13	-42.06	-80.48	-62.1	2.73	9.77	H
	9451	-35.96	-13	-22.96	-67.08	-45.9	2.58	12.52	H
									H
									H
									H
	3786	-58.55	-13	-45.55	-79.04	-65.2	1.69	8.34	V
	5676	-55.36	-13	-42.36	-80.66	-62.4	2.73	9.77	V
	9451	-33.16	-13	-20.16	-64.54	-43.1	2.58	12.52	V
									V
									V
									V

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



### LTE Band 4

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-56.73	-13	-43.73	-77.37	-62.8	1.58	7.65	H
	58136	-51.94	-13	-38.94	-75.69	-62.1	3.74	13.90	H
	8556	-48.96	-13	-35.96	-77.85	-59.1	2.39	12.52	H
	10270	-43.09	-13	-30.09	-75.75	-52.7	2.69	12.31	H
									H
									H
									H
	3420	-57.53	-13	-44.53	-77.57	-63.6	1.58	7.65	V
	5136	-52.12	-13	-39.12	-75.43	-59.4	2.42	9.70	V
	8556	-50.96	-13	-37.96	-79.97	-61.1	2.39	12.52	V
	10270	-45.39	-13	-32.39	-77.9	-55	2.69	12.31	V
									V
									V
									V
Middle	3444	-56.93	-13	-43.93	-77.59	-63.1	1.59	7.75	H
	5172	-54.54	-13	-41.54	-78.16	-61.8	2.44	9.70	H
	8616	-45.75	-13	-32.75	-74.77	-55.9	2.40	12.55	H
	10344	-42.46	-13	-29.46	-75.28	-52.1	2.69	12.34	H
									H
									H
									H
	3444	-56.93	-13	-43.93	-77.66	-63.1	1.59	7.75	V
	5172	-54.94	-13	-41.94	-78.33	-62.2	2.44	9.70	V
	8616	-48.35	-13	-35.35	-77.82	-58.5	2.40	12.55	V
	10344	-43.06	-13	-30.06	-75.69	-52.7	2.69	12.34	V
									V
									V
									V



Highest	3470	-55.83	-13	-42.83	-76.68	-62.1	1.59	7.87	H
	5208	-54.72	-13	-41.72	-77.06	-61.96	2.46	9.70	H
	8682	-46.94	-13	-33.94	-76.12	-57.1	2.41	12.57	H
	10417	-43.63	-13	-30.63	-76.52	-53.3	2.69	12.37	H
									H
									H
									H
	3470	-57.03	-13	-44.03	-77.72	-63.3	1.59	7.87	V
	5208	-53.36	-13	-40.36	-77.26	-60.6	2.46	9.70	V
	8682	-49.74	-13	-36.74	-79.39	-59.9	2.41	12.57	V
	10417	-43.93	-13	-30.93	-76.79	-53.6	2.69	12.37	V
									V
									V
									V

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



### LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-53.74	-13	-40.74	-65.94	-55.5	0.98	4.89	H
	2472	-41.62	-13	-28.62	-58.75	-43.5	1.28	5.32	H
	3296	-57.29	-13	-44.29	-76.49	-60.7	1.54	7.10	H
	4120	-54.96	-13	-41.96	-74.83	-59.6	1.83	8.62	H
	4944	-50.27	-13	-37.27	-73.33	-55.4	2.30	9.59	H
									H
									H
	1648	-57.84	-13	-44.84	-69.91	-59.6	0.98	4.89	V
	2472	-43.92	-13	-30.92	-61.52	-45.8	1.28	5.32	V
	3296	-54.39	-13	-41.39	-73.84	-57.8	1.54	7.10	V
	4120	-49.76	-13	-36.76	-70.27	-54.4	1.83	8.62	V
	4944	-49.17	-13	-36.17	-71.7	-54.3	2.30	9.59	V
									V
									V
Middle	1664	-57.89	-13	-44.89	-69.78	-59.60	0.98	4.84	H
	2496	-43.55	-13	-30.55	-60.63	-45.5	1.29	5.39	H
	4160	-56.87	-13	-43.87	-77.31	-61.5	1.85	8.63	H
	4992	-53.00	-13	-40.00	-75.94	-58.2	2.33	9.68	H
									H
									H
									H
	1664	-59.19	-13	-46.19	-71.66	-60.9	0.98	4.84	V
	2496	-46.15	-13	-33.15	-63.87	-48.1	1.29	5.39	V
	4160	-52.97	-13	-39.97	-73.92	-57.6	1.85	8.63	V
	4992	-51.00	-13	-38.00	-74.06	-56.2	2.33	9.68	V
									V
									V
									V



Highest	1680	-59.55	-13	-46.55	-71.78	-61.2	0.99	4.80	H
	2520	-48.13	-13	-35.13	-65.05	-50.1	1.30	5.42	H
	3360	-56.83	-13	-43.83	-76.16	-60.5	1.56	7.38	H
	4200	-53.89	-13	-40.89	-74.02	-58.5	1.88	8.64	H
	5040	-51.71	-13	-38.71	-74.65	-56.9	2.36	9.70	H
									H
									H
	1680	-60.45	-13	-47.45	-72.96	-62.1	0.99	4.80	V
	2520	-51.13	-13	-38.13	-68.61	-53.1	1.30	5.42	V
	3360	-55.03	-13	-42.03	-74.91	-58.7	1.56	7.38	V
	4200	-49.09	-13	-36.09	-69.83	-53.7	1.88	8.64	V
	5040	-49.31	-13	-36.31	-72.34	-54.5	2.36	9.70	V
									V
									V

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



### LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-54.69	-25	-29.69	-79.12	-62.05	2.34	9.70	H
	7506	-52.48	-25	-27.48	-80.09	-61.86	2.43	11.80	H
	10008	-35.31	-25	-10.31	-67.45	-44.82	2.70	12.20	H
									H
									H
									H
	5004	-55.02	-25	-30.02	-78.35	-62.38	2.34	9.70	V
	7506	-53.24	-25	-28.24	-81.37	-62.62	2.43	11.80	V
	10008	-39.98	-25	-14.98	-72.04	-49.49	2.70	12.20	V
									V
									V
									V
Middle	5052	-55.21	-25	-30.21	-78.93	-62.54	2.37	9.70	H
	7572	-53.12	-25	-28.12	-81.13	-62.56	2.41	11.84	H
	10098	-38.05	-25	-13.05	-70.54	-47.59	2.70	12.24	H
									H
									H
									H
	5052	-54.52	-25	-29.52	-77.99	-61.85	2.37	9.70	V
	7572	-52.45	-25	-27.45	-80.68	-61.89	2.41	11.84	V
	10098	-42.71	-25	-17.71	-74.99	-52.25	2.70	12.24	V
									V
									V
									V





Highest	5100	-54.38	-25	-29.38	-78.35	-61.69	2.39	9.70	H
	7650	-52.94	-25	-27.94	-81	-62.45	2.38	11.89	H
	10206	-40.97	-25	-15.97	-73.66	-50.56	2.70	12.28	H
									H
									H
									H
	5100	-53.38	-25	-28.38	-77.02	-60.69	2.39	9.70	V
	7650	-52.38	-25	-27.38	-80.82	-61.89	2.38	11.89	V
	10206	-43.32	-25	-18.32	-75.65	-52.91	2.70	12.28	V
									V
									V
									V

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



**LTE Band 41**

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4992	-56.68	-25	-31.68	-80.24	-64.03	2.33	9.68	H
	7494	-52.02	-25	-27.02	-79.72	-61.38	2.43	11.79	H
	9990	-34.91	-25	-9.91	-67.07	-44.42	2.69	12.21	H
									H
									H
									H
	4992	-56.61	-25	-31.61	-79.9	-63.96	2.33	9.68	V
	7494	-53.31	-25	-28.31	-81.22	-62.67	2.43	11.79	V
	9990	-41.54	-25	-16.54	-73.64	-51.05	2.69	12.21	V
									V
									V
									V
Middle	5166	-55.12	-25	-30.12	-79.13	-62.39	2.43	9.70	H
	7752	-51.42	-25	-26.42	-79.75	-61.02	2.35	11.95	H
	10332	-43.18	-25	-18.18	-76.05	-52.82	2.69	12.33	H
									H
									H
									H
	5166	-55.36	-25	-30.36	-79.23	-62.63	2.43	9.70	V
	7752	-52.45	-25	-27.45	-80.98	-62.05	2.35	11.95	V
	10332	-42.72	-25	-17.72	-75.54	-52.36	2.69	12.33	V
									V
									V
									V



Highest	5340	-54.92	-25	-29.92	-79.51	-62.09	2.53	9.70	H
	8010	-51.98	-25	-26.98	-80.91	-61.82	2.27	12.11	H
	10674	-47.82	-25	-22.82	-82.01	-57.56	2.69	12.43	H
									H
									H
									H
	5340	-52.66	-25	-27.66	-77.21	-59.83	2.53	9.70	V
	8010	-51.72	-25	-26.72	-81.11	-61.56	2.27	12.11	V
	10680	-48.26	-25	-23.26	-82.1	-58.01	2.69	12.44	V
									V
									V
									V

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