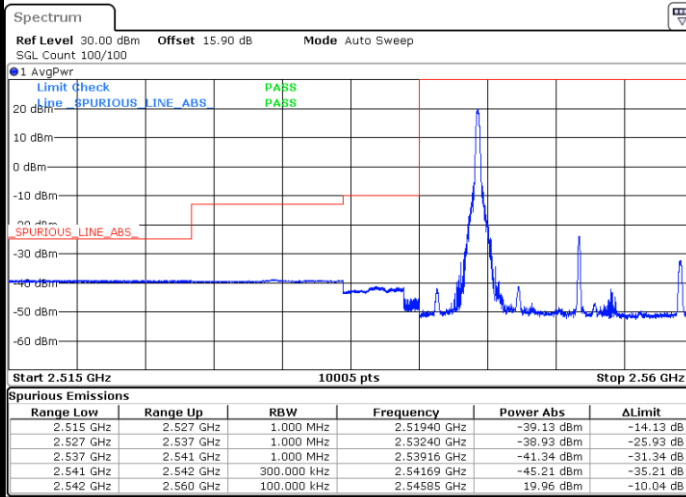


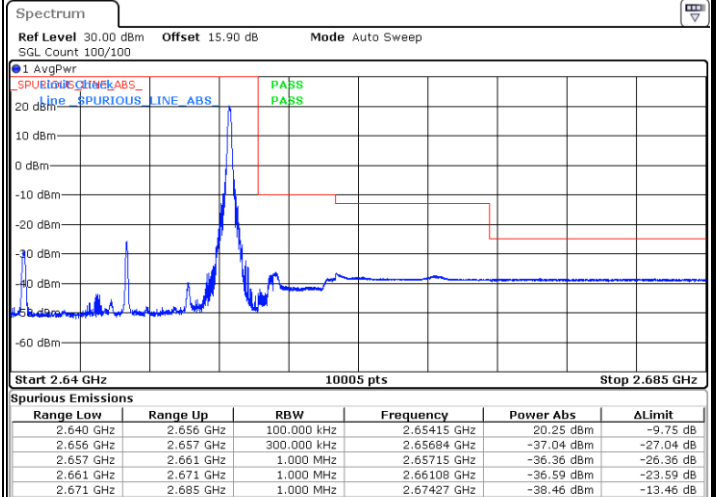


LTE Band 41 / 15MHz / 16QAM

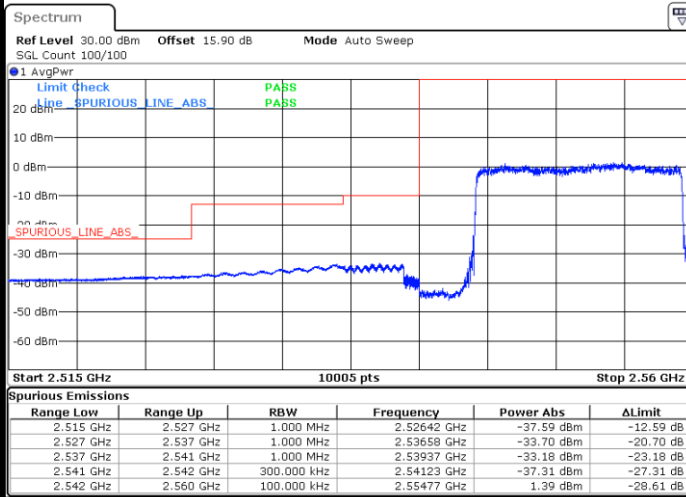
Lowest Band Edge / 1 RB



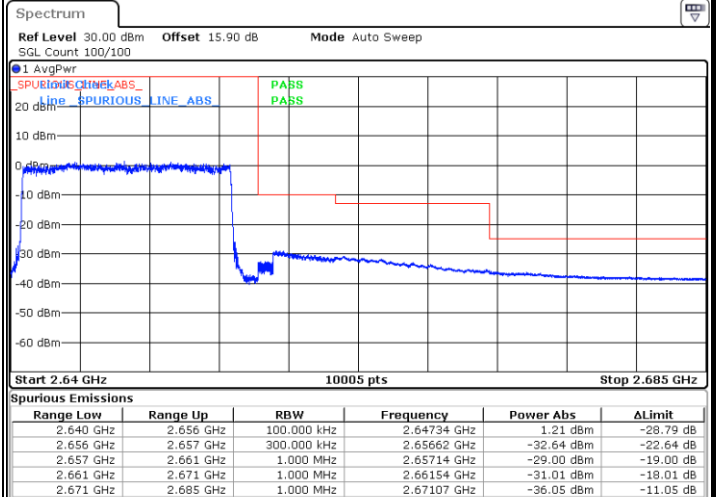
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



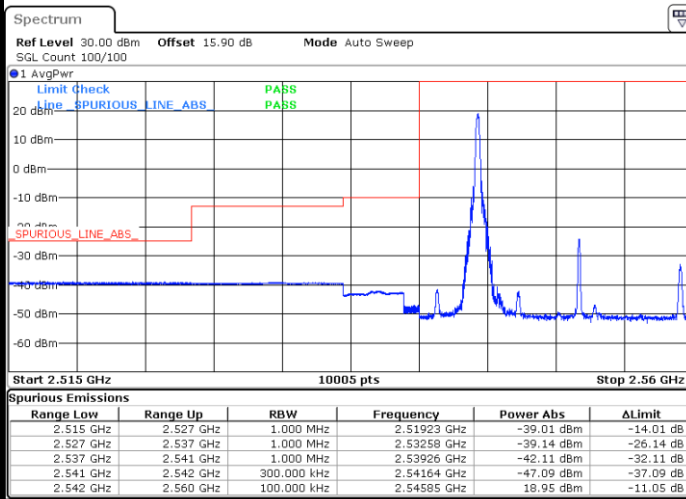
Highest Band Edge / Full RB



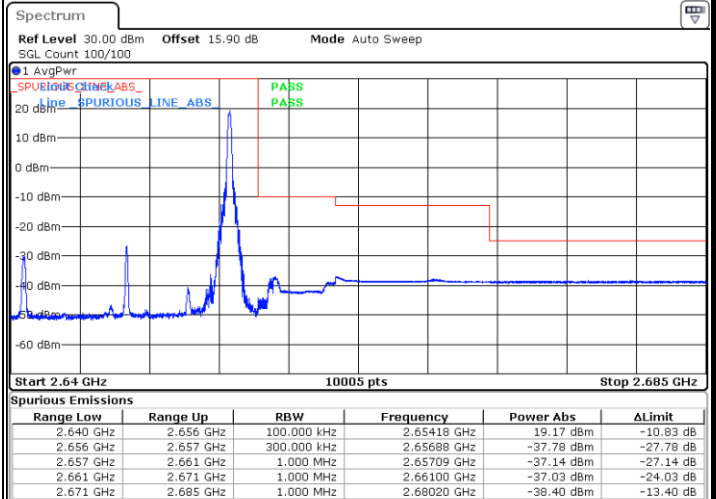


LTE Band 41 / 15MHz / 64QAM

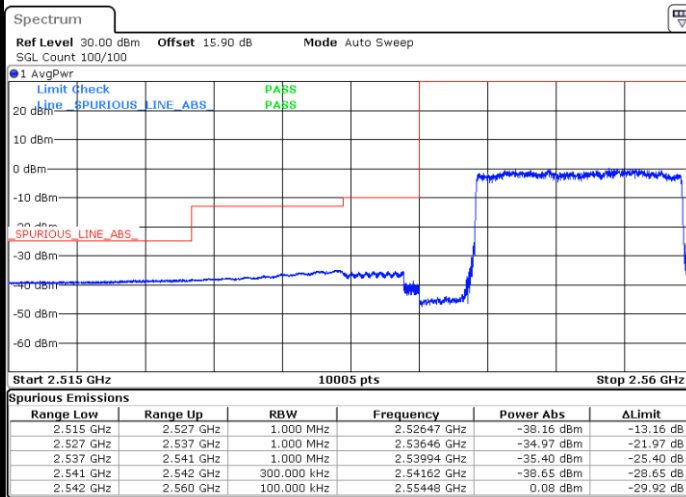
Lowest Band Edge / 1 RB



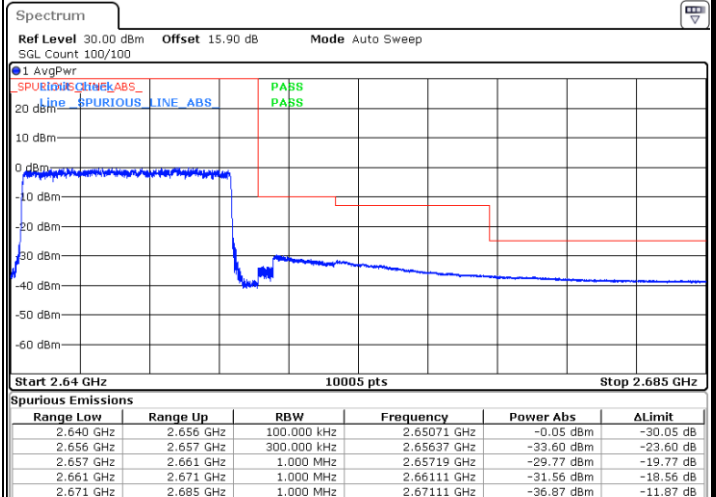
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



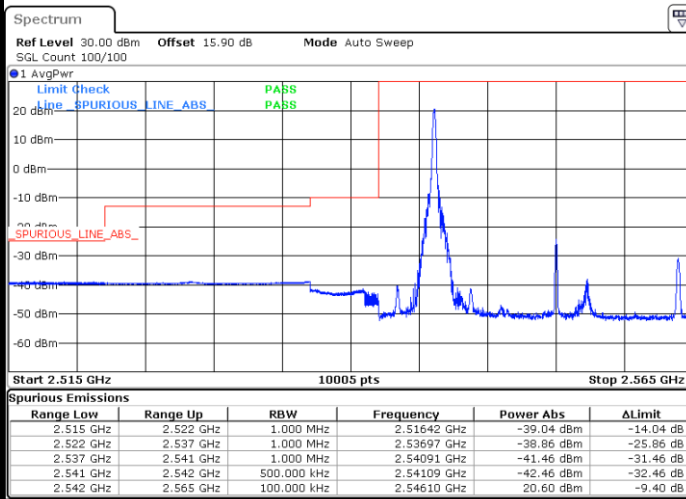
Highest Band Edge / Full RB



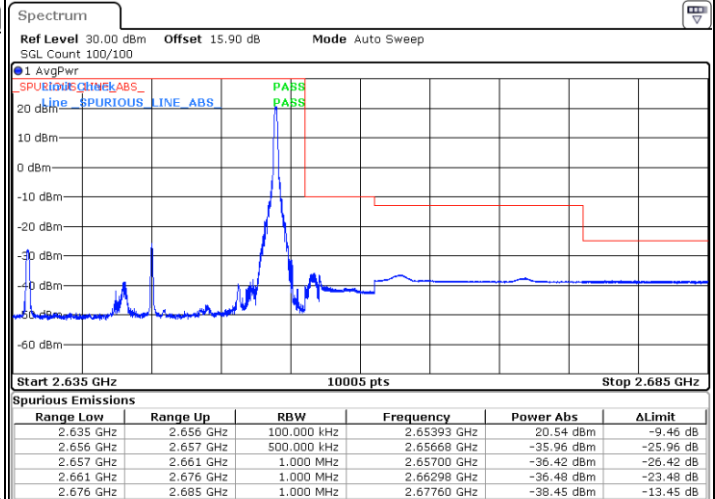


LTE Band 41 / 20MHz / QPSK

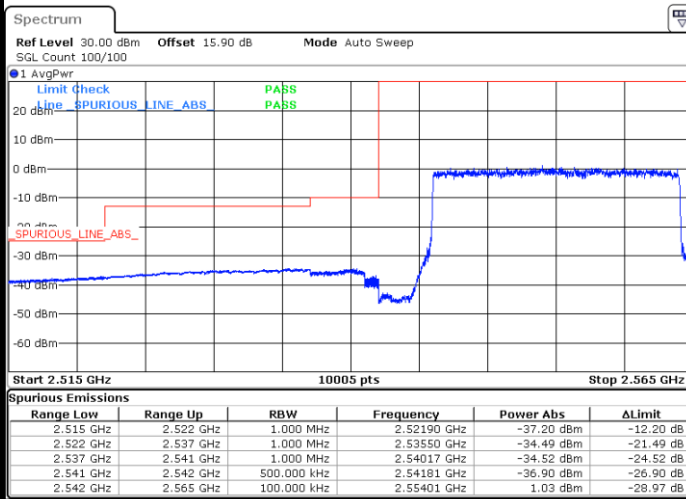
Lowest Band Edge / 1 RB



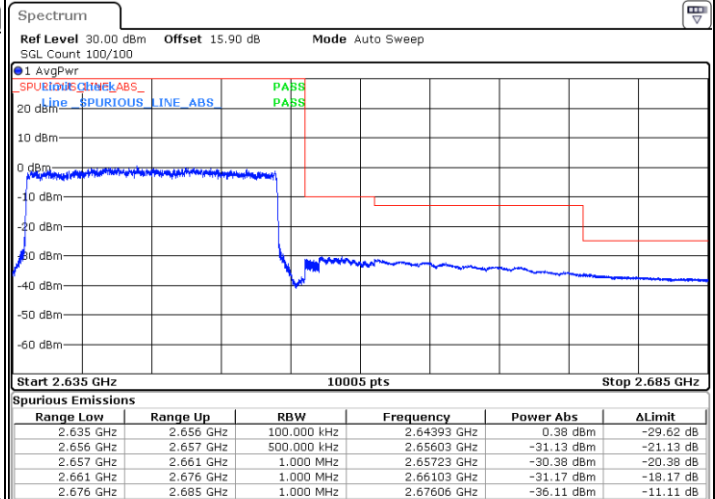
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



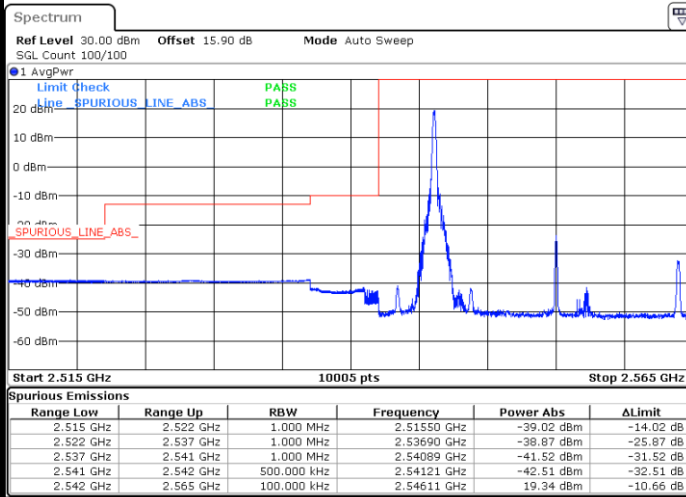
Highest Band Edge / Full RB



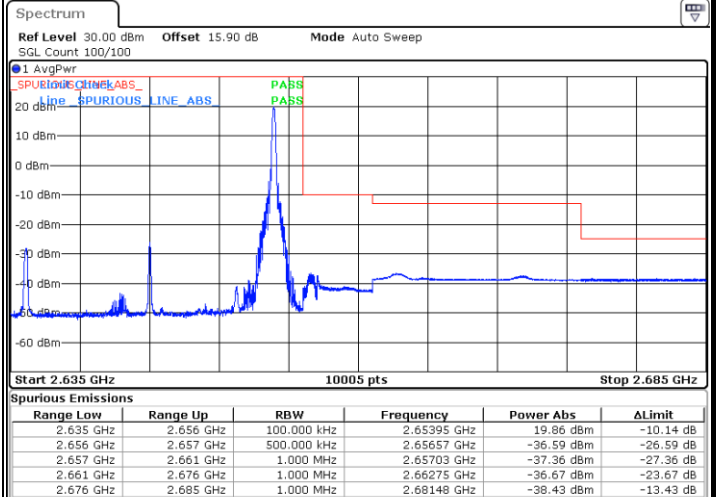


LTE Band 41 / 20MHz / 16QAM

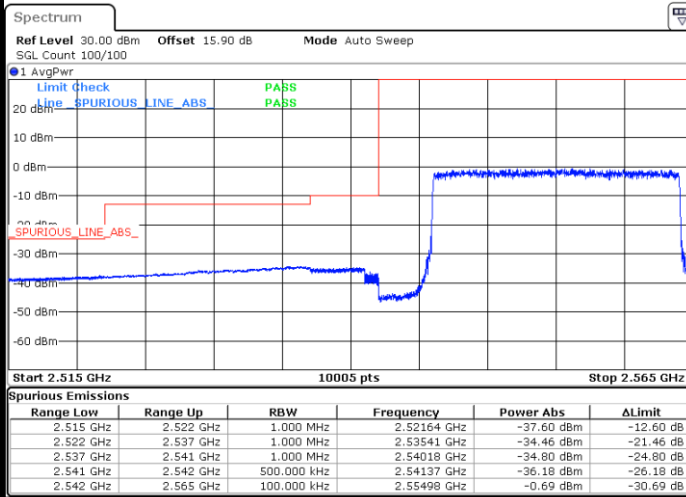
Lowest Band Edge / 1 RB



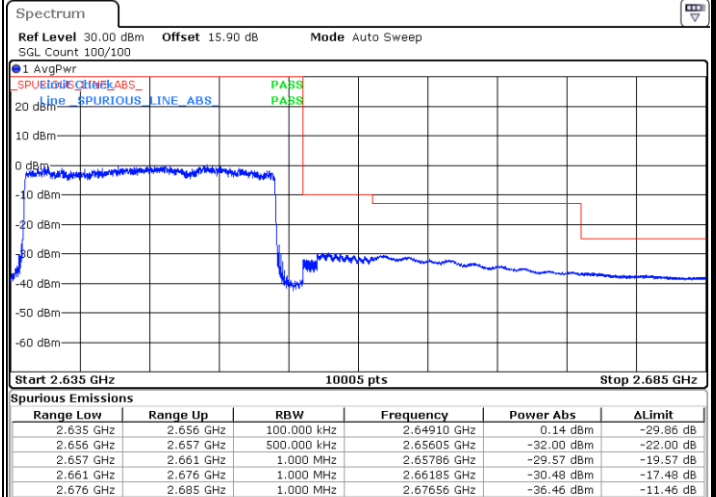
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



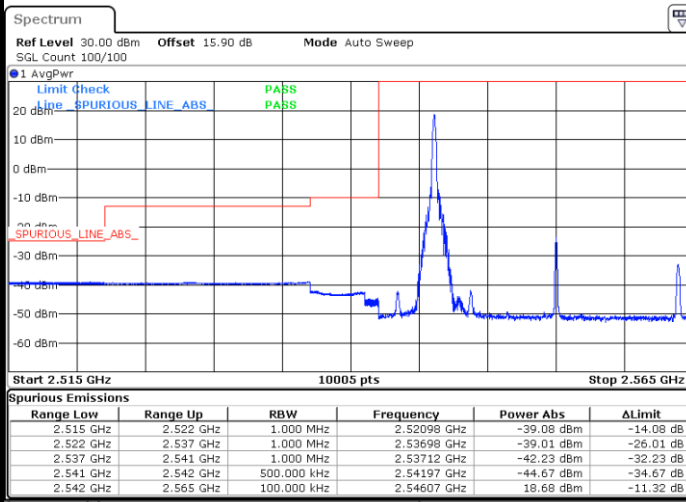
Highest Band Edge / Full RB



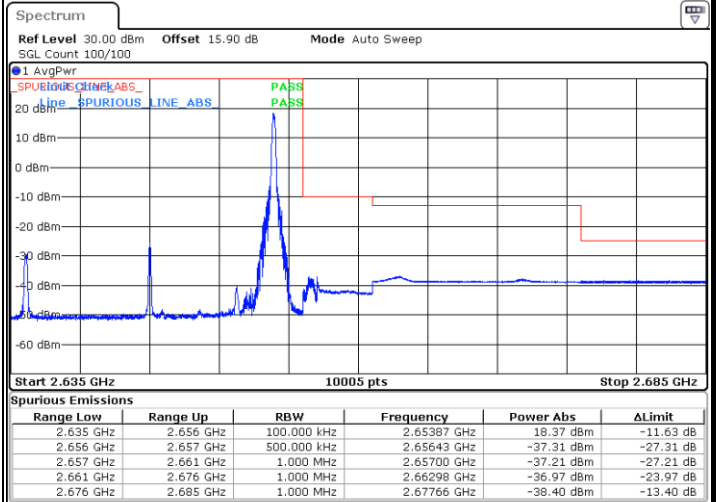


LTE Band 41 / 20MHz / 64QAM

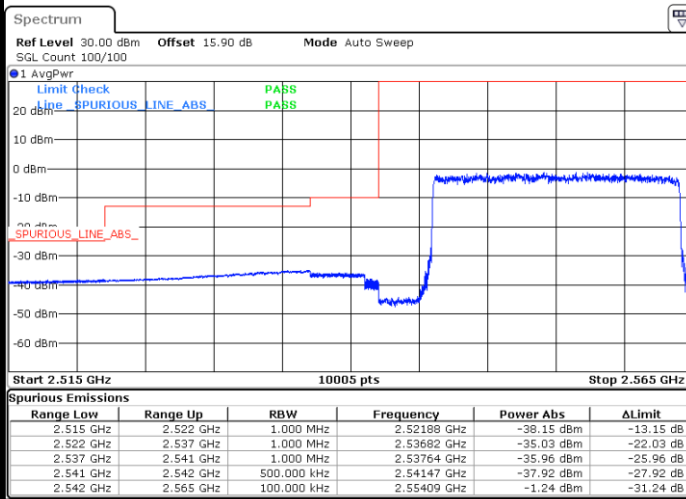
Lowest Band Edge / 1 RB



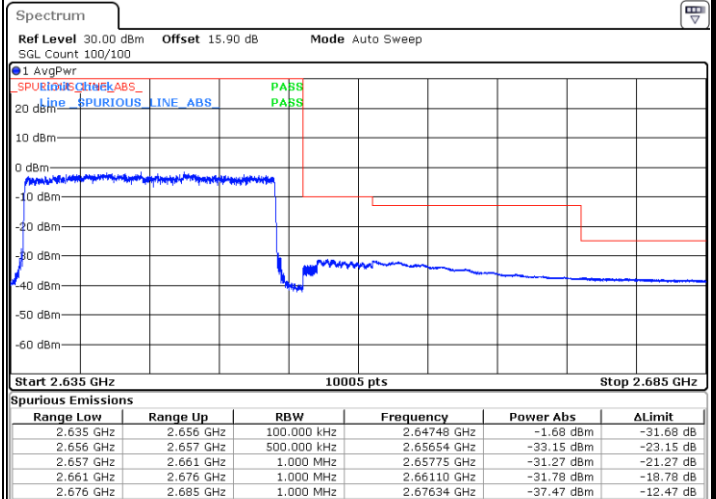
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

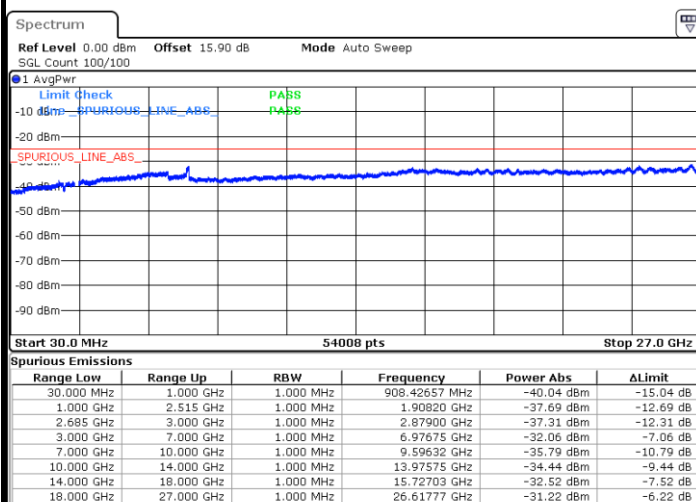




Conducted Spurious Emission

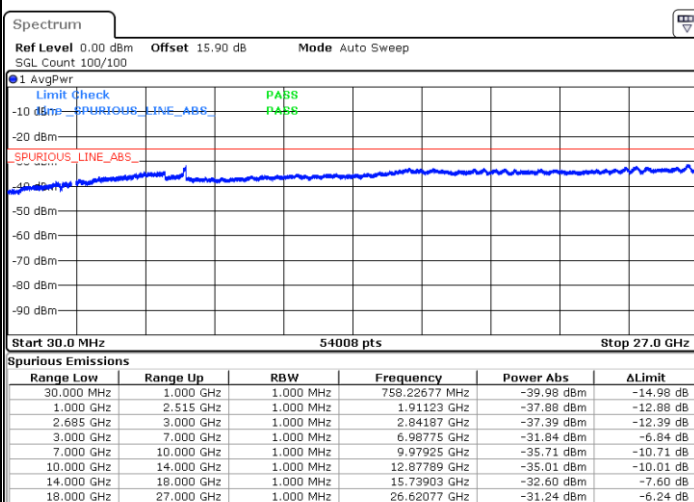
LTE Band 41 / 5MHz

Lowest Channel / QPSK



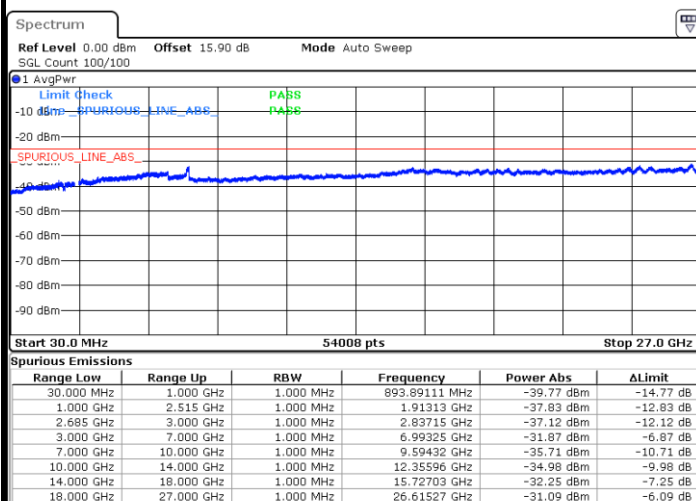
Date: 20.JAN.2020 17:22:55

Lowest Channel / 16QAM



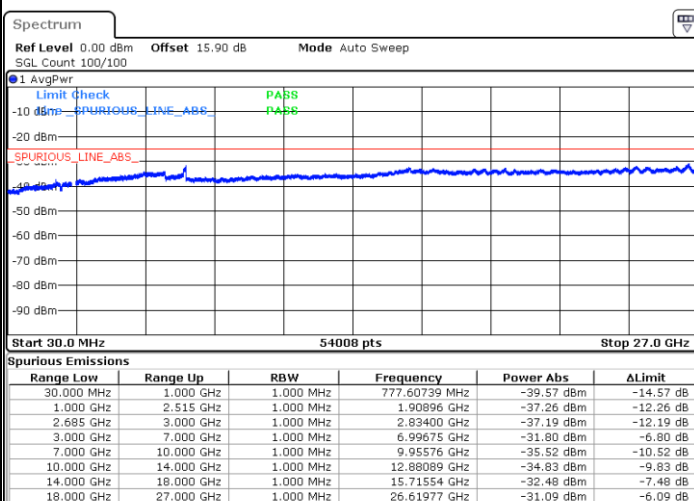
Date: 20.JAN.2020 17:23:51

Middle Channel / QPSK



Date: 20.JAN.2020 17:24:47

Middle Channel / 16QAM

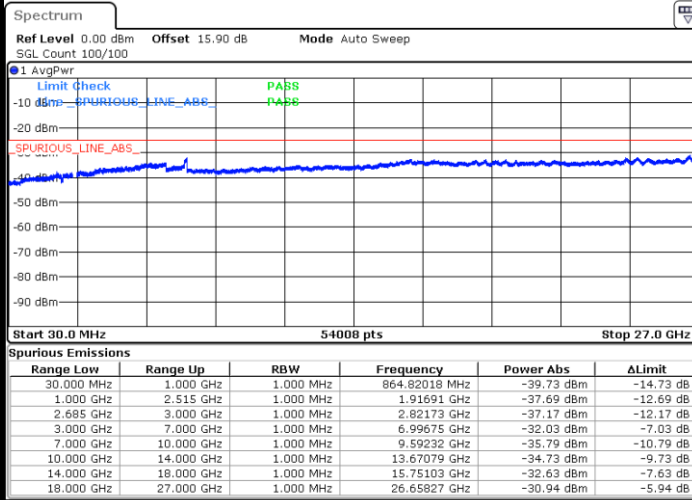


Date: 20.JAN.2020 17:25:43



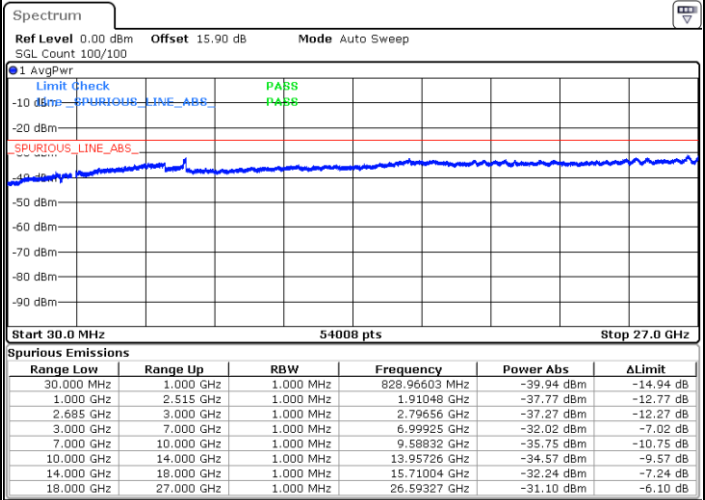
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 20.JAN.2020 17:30:54

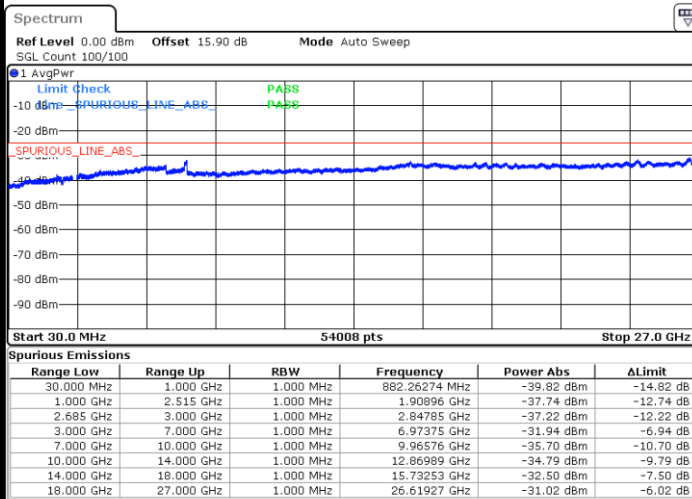
Highest Channel / 16QAM



Date: 20.JAN.2020 17:33:52

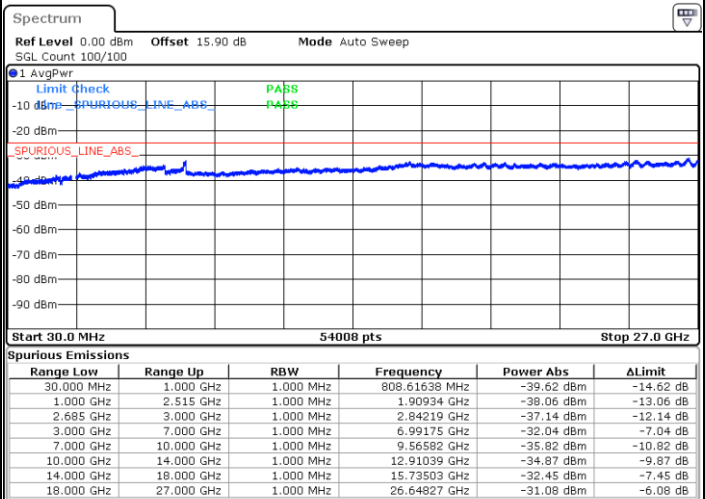
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 20.JAN.2020 17:53:13

Lowest Channel / 16QAM

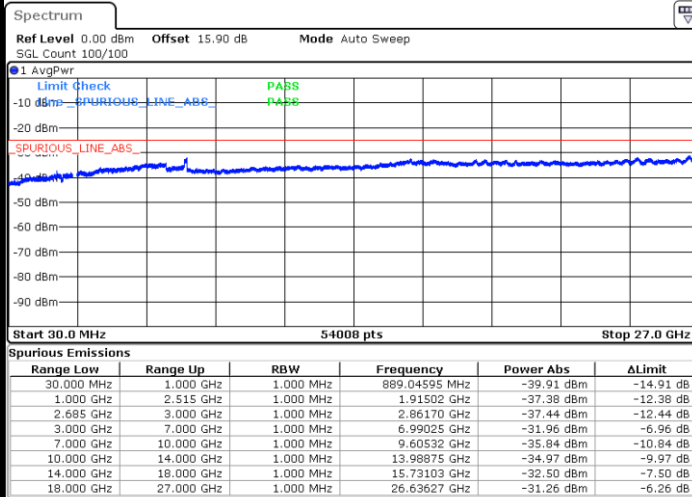


Date: 20.JAN.2020 17:54:09



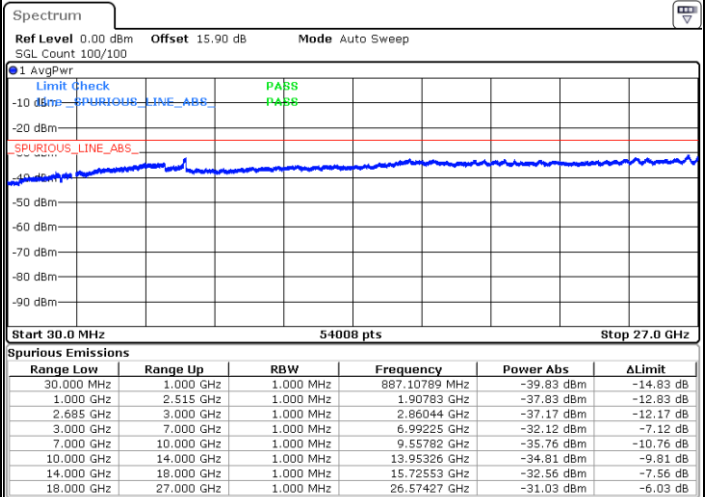
LTE Band 41 / 10MHz

Middle Channel / QPSK



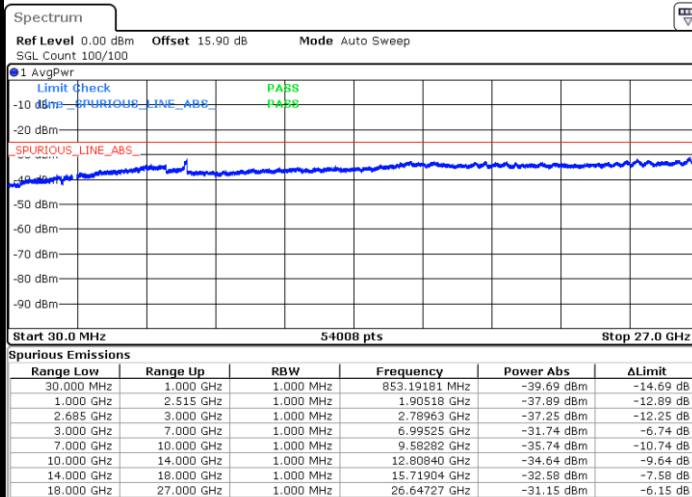
Date: 20.JAN.2020 17:55:05

Middle Channel / 16QAM



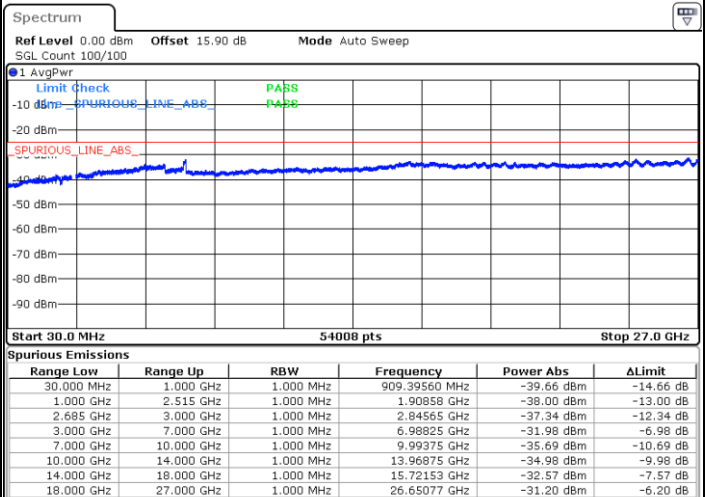
Date: 20.JAN.2020 17:56:01

Highest Channel / QPSK



Date: 20.JAN.2020 18:01:08

Highest Channel / 16QAM

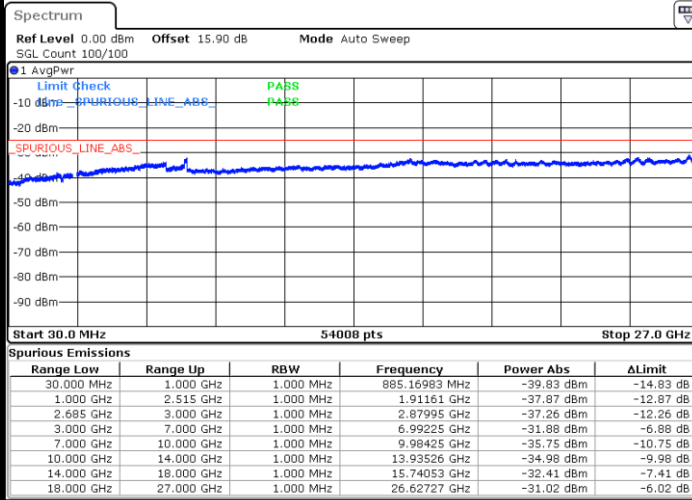


Date: 20.JAN.2020 18:02:04



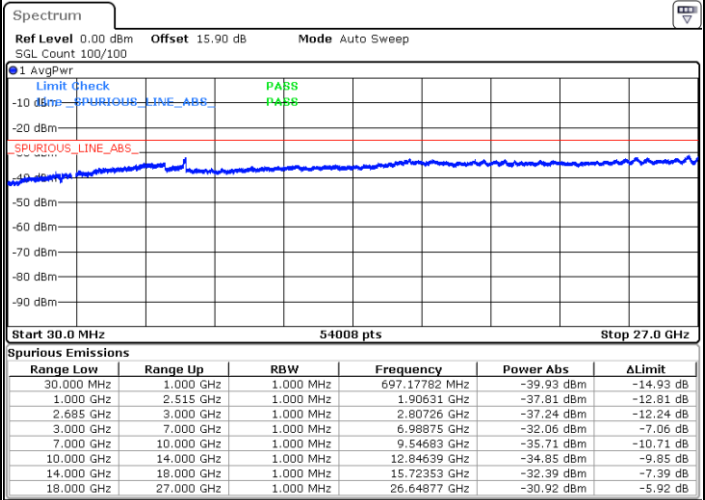
LTE Band 41 / 15MHz

Lowest Channel / QPSK



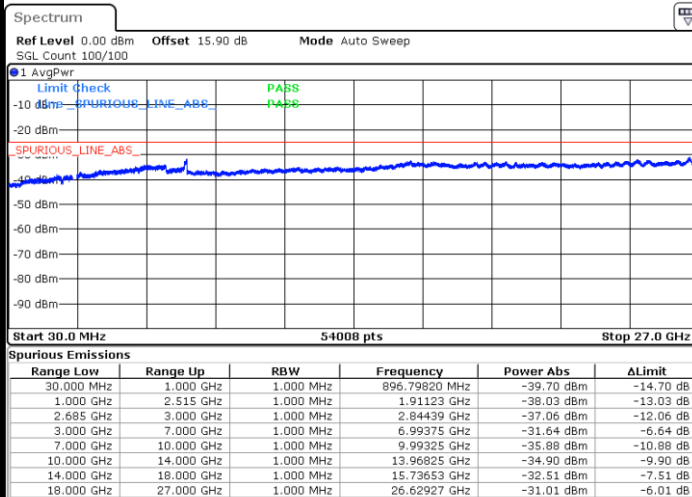
Date: 20.JAN.2020 18:07:19

Lowest Channel / 16QAM



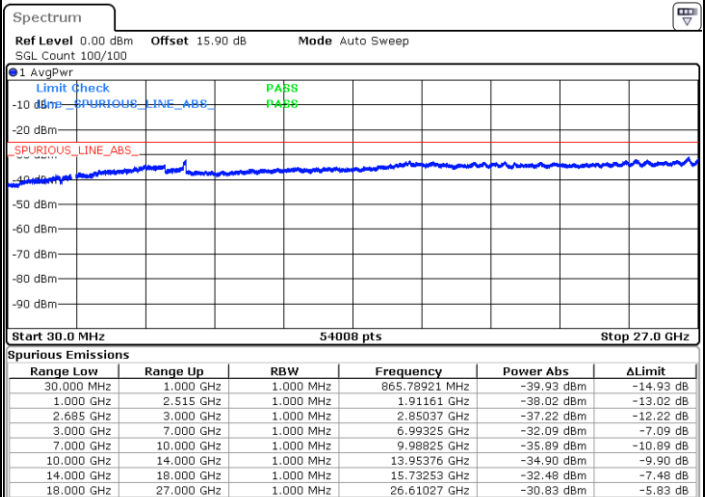
Date: 20.JAN.2020 18:08:18

Middle Channel / QPSK



Date: 20.JAN.2020 18:09:14

Middle Channel / 16QAM

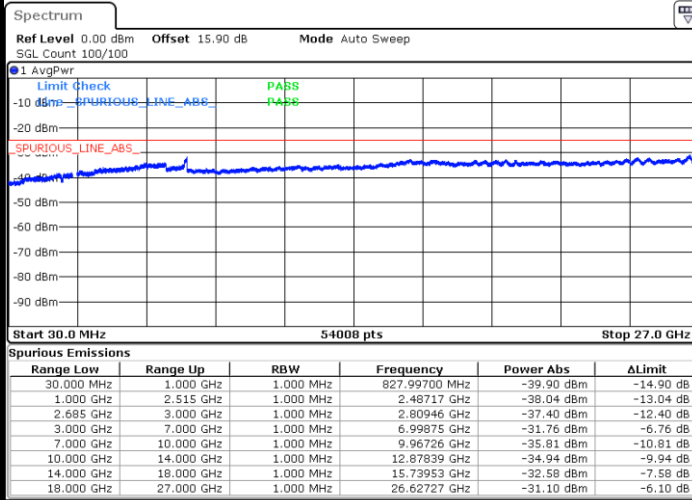


Date: 20.JAN.2020 18:10:10



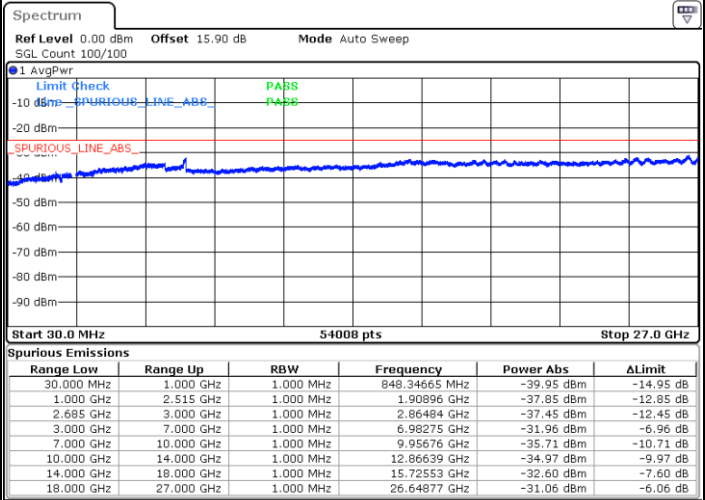
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 20.JAN.2020 18:15:18

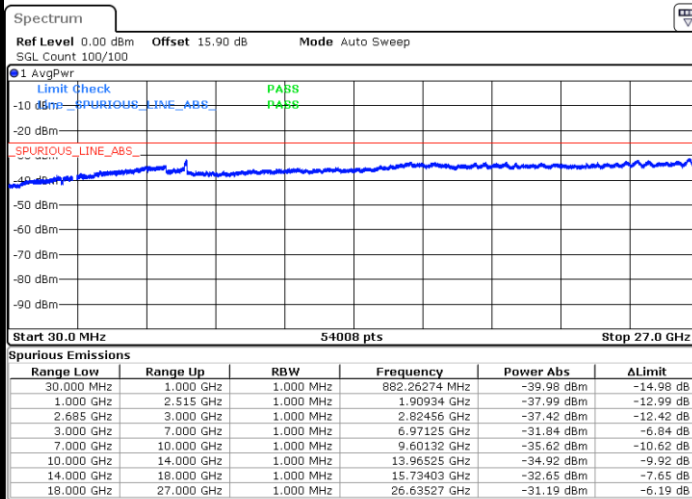
Highest Channel / 16QAM



Date: 20.JAN.2020 18:16:14

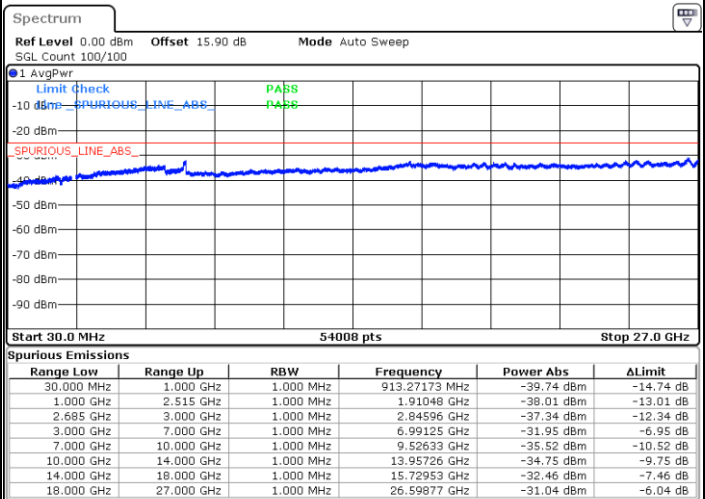
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 20.JAN.2020 18:35:36

Lowest Channel / 16QAM

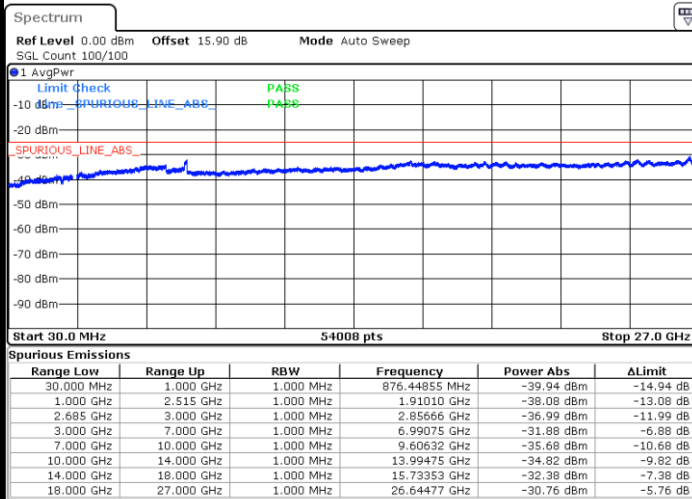


Date: 20.JAN.2020 18:36:34



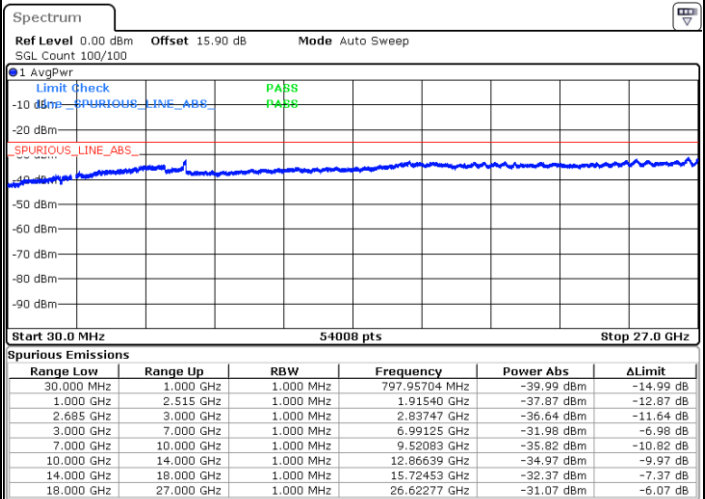
LTE Band 41 / 20MHz

Middle Channel / QPSK



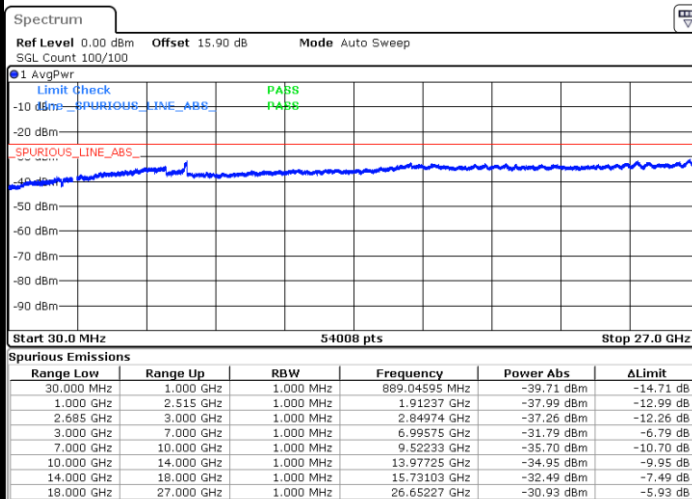
Date: 20.JAN.2020 18:37:30

Middle Channel / 16QAM



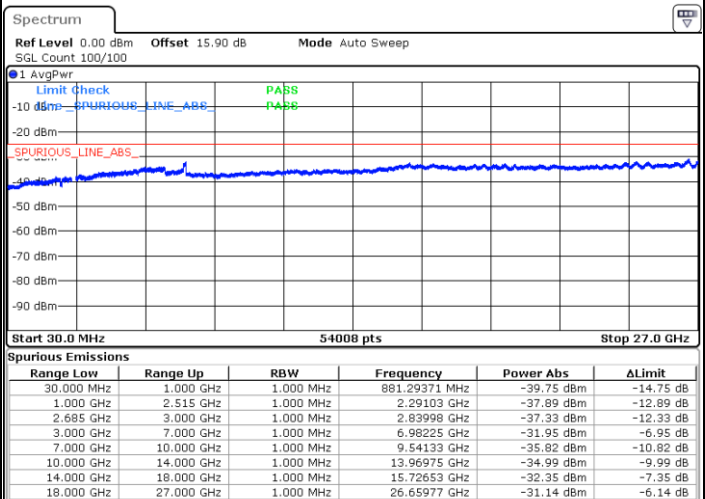
Date: 20.JAN.2020 18:38:26

Highest Channel / QPSK



Date: 20.JAN.2020 18:50:48

Highest Channel / 16QAM

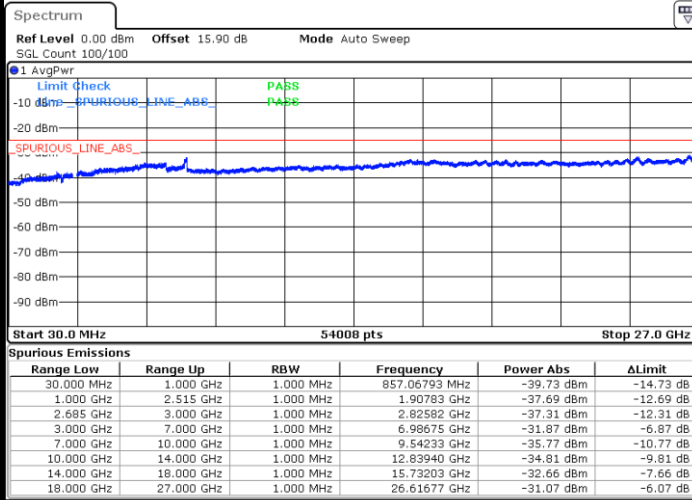


Date: 20.JAN.2020 18:51:44



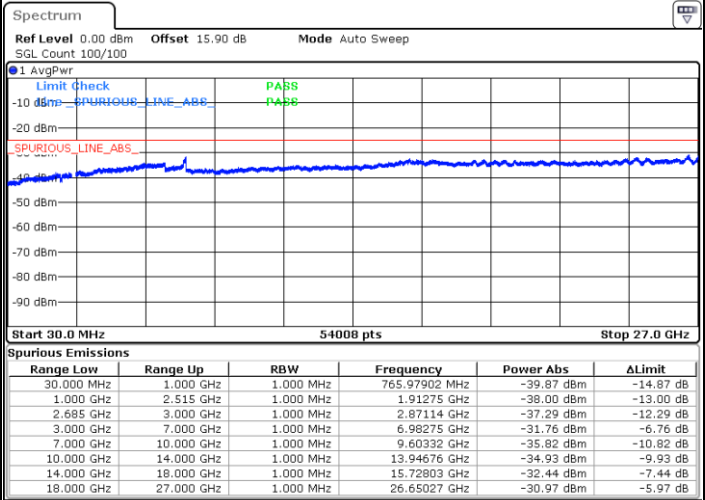
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



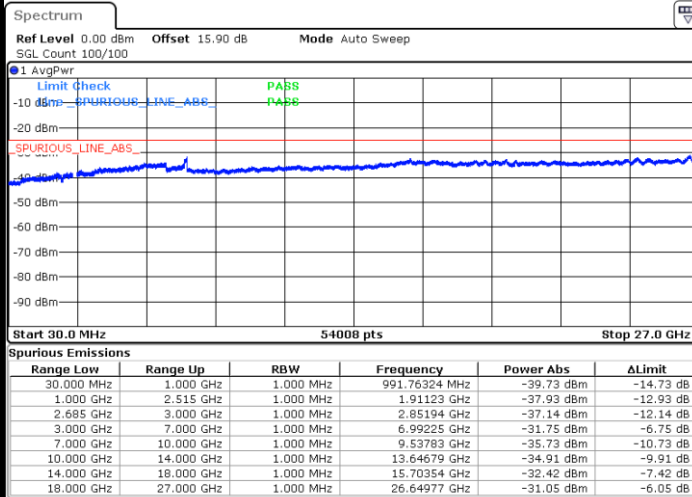
Date: 20.JAN.2020 17:36:57

Middle Channel / 64QAM



Date: 20.JAN.2020 17:37:54

Highest Channel / 64QAM

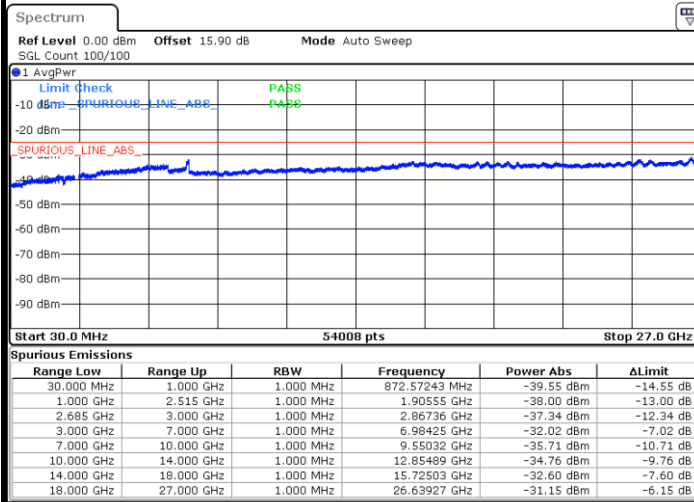


Date: 20.JAN.2020 17:40:55



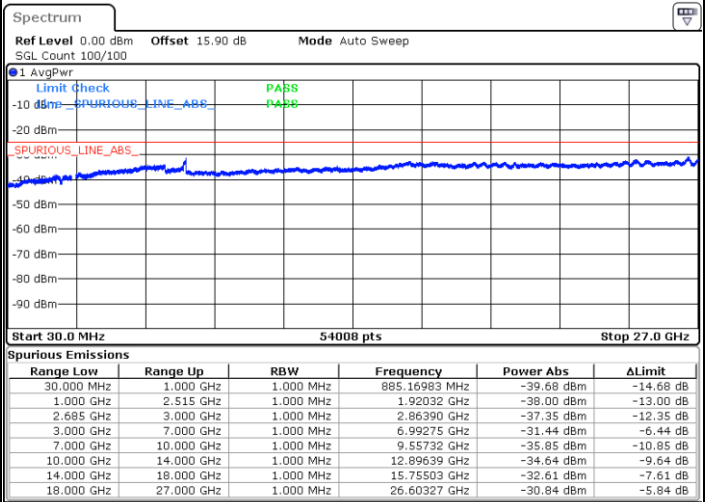
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



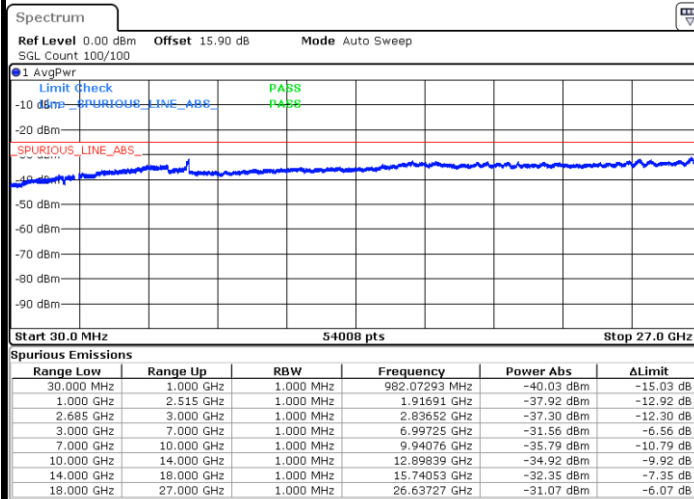
Date: 20.JAN.2020 17:44:01

Middle Channel / 64QAM



Date: 20.JAN.2020 17:44:57

Highest Channel / 64QAM

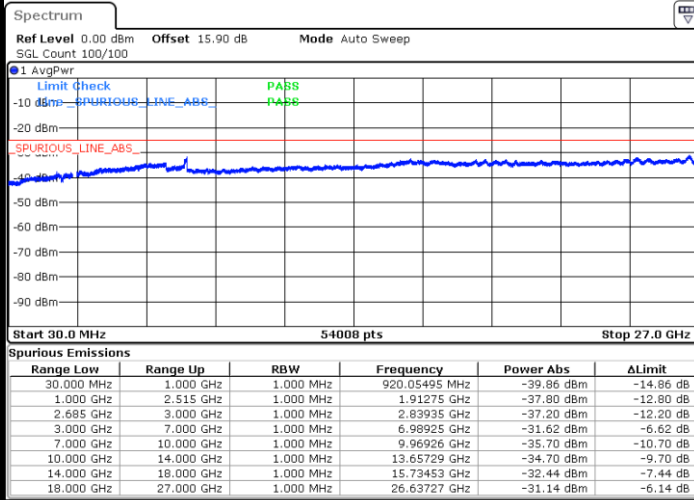


Date: 20.JAN.2020 17:47:59



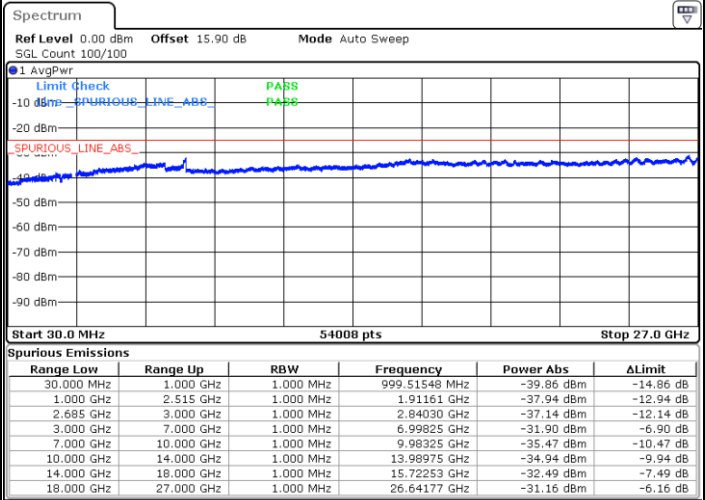
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



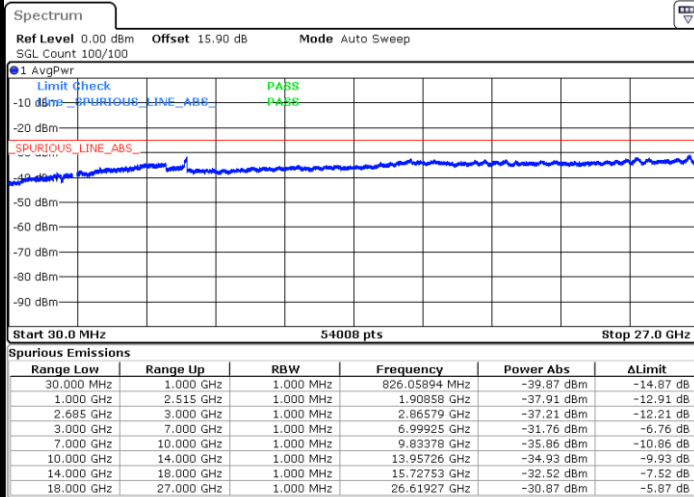
Date: 20.JAN.2020 18:19:21

Middle Channel / 64QAM



Date: 20.JAN.2020 18:20:17

Highest Channel / 64QAM



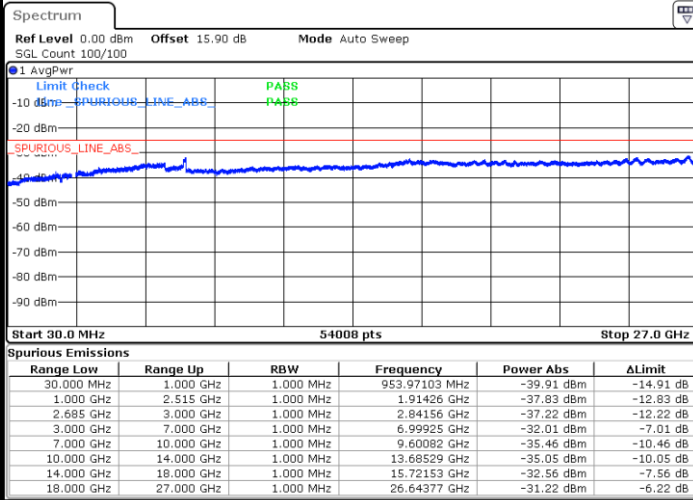
Date: 20.JAN.2020 18:23:18



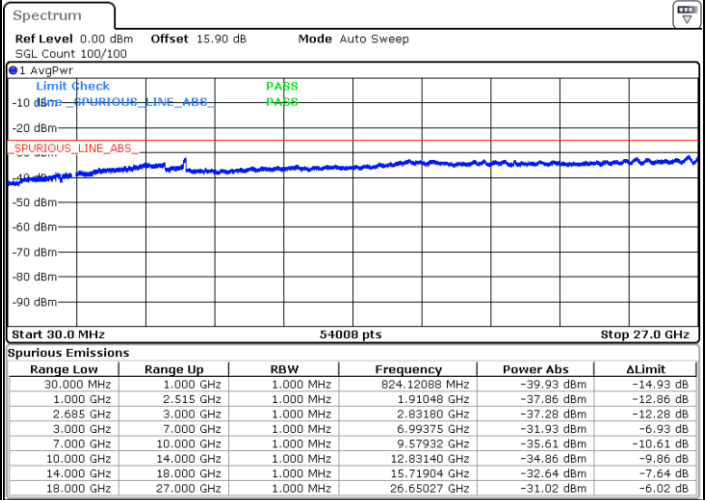
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

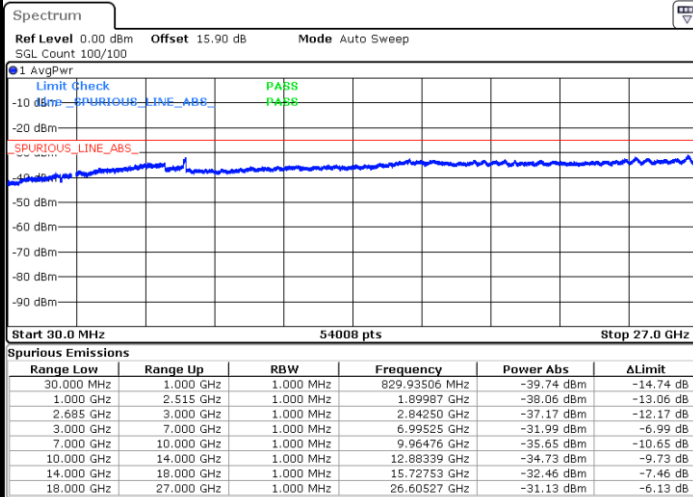


Date: 20.JAN.2020 18:26:24



Date: 20.JAN.2020 18:27:20

Highest Channel / 64QAM



Date: 20.JAN.2020 18:30:21

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	0.0001	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



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

ERP/EIRP

LTE Band 4 / 1.4MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	21.84	0.1528	19.92	0.0982
Middle		3	1	21.96	0.1570	20.04	0.1009
Highest		3	1	21.74	0.1493	19.82	0.0959
Lowest	16QAM	1	3	21.74	0.1493	19.82	0.0959
Middle		1	3	21.79	0.1510	19.87	0.0971
Highest		1	3	21.66	0.1466	19.74	0.0942
Lowest	64QAM	1	3	20.66	0.1164	18.74	0.0748
Middle		1	3	20.71	0.1178	18.79	0.0757
Highest		1	3	20.58	0.1143	18.66	0.0735
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	21.95	0.1567	20.03	0.1007
Middle		1	8	21.92	0.1556	20.00	0.1000
Highest		1	8	21.73	0.1489	19.81	0.0957
Lowest	16QAM	1	8	21.83	0.1524	19.91	0.0979
Middle		1	8	21.79	0.1510	19.87	0.0971
Highest		1	8	21.63	0.1455	19.71	0.0935
Lowest	64QAM	1	8	20.77	0.1194	18.85	0.0767
Middle		1	8	20.72	0.1180	18.80	0.0759
Highest		1	8	20.55	0.1135	18.63	0.0729
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.95	0.1567	20.03	0.1007
Middle		1	12	21.95	0.1567	20.03	0.1007
Highest		1	12	21.73	0.1489	19.81	0.0957
Lowest	16QAM	1	12	21.87	0.1538	19.95	0.0989
Middle		1	12	21.80	0.1514	19.88	0.0973
Highest		1	12	21.61	0.1449	19.69	0.0931
Lowest	64QAM	1	12	20.81	0.1205	18.89	0.0774
Middle		1	12	20.74	0.1186	18.82	0.0762
Highest		1	12	20.58	0.1143	18.66	0.0735
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.95	0.1567	20.03	0.1007
Middle		1	0	21.96	0.1570	20.04	0.1009
Highest		1	0	21.95	0.1567	20.03	0.1007
Lowest	16QAM	1	0	21.86	0.1535	19.94	0.0986
Middle		1	0	21.78	0.1507	19.86	0.0968
Highest		1	0	21.69	0.1476	19.77	0.0948
Lowest	64QAM	1	0	20.79	0.1199	18.87	0.0771
Middle		1	0	20.74	0.1186	18.82	0.0762
Highest		1	0	20.62	0.1153	18.70	0.0741
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.95	0.1567	20.03	0.1007
Middle		1	0	21.92	0.1556	20.00	0.1000
Highest		1	0	21.89	0.1545	19.97	0.0993
Lowest	16QAM	1	0	21.87	0.1538	19.95	0.0989
Middle		1	0	21.83	0.1524	19.91	0.0979
Highest		1	0	21.68	0.1472	19.76	0.0946
Lowest	64QAM	1	0	20.80	0.1202	18.88	0.0773
Middle		1	0	20.76	0.1191	18.84	0.0766
Highest		1	0	20.62	0.1153	18.70	0.0741
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = -1.92 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.92	0.1556	20.00	0.1000
Middle		1	0	21.90	0.1549	19.98	0.0995
Highest		1	0	21.97	0.1574	20.05	0.1012
Lowest	16QAM	1	49	21.86	0.1535	19.94	0.0986
Middle		1	49	21.73	0.1489	19.81	0.0957
Highest		1	49	21.74	0.1493	19.82	0.0959
Lowest	64QAM	1	49	20.78	0.1197	18.86	0.0769
Middle		1	49	20.68	0.1169	18.76	0.0752
Highest		1	49	20.65	0.1161	18.73	0.0746
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.56	0.1803	17.02	0.0504
Middle		1	3	22.54	0.1795	17.00	0.0501
Highest		1	3	22.43	0.1750	16.89	0.0489
Lowest	16QAM	1	3	22.04	0.1600	16.50	0.0447
Middle		1	3	21.98	0.1578	16.44	0.0441
Highest		1	3	21.92	0.1556	16.38	0.0435
Lowest	64QAM	1	3	20.91	0.1233	15.37	0.0344
Middle		1	3	20.90	0.1230	15.36	0.0344
Highest		1	3	20.83	0.1211	15.29	0.0338
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.56	0.1803	17.02	0.0504
Middle		1	0	22.53	0.1791	16.99	0.0500
Highest		1	0	22.47	0.1766	16.93	0.0493
Lowest	16QAM	1	8	22.02	0.1592	16.48	0.0445
Middle		1	8	21.93	0.1560	16.39	0.0436
Highest		1	8	21.89	0.1545	16.35	0.0432
Lowest	64QAM	1	8	20.93	0.1239	15.39	0.0346
Middle		1	8	20.87	0.1222	15.33	0.0341
Highest		1	8	20.81	0.1205	15.27	0.0337
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.56	0.1803	17.02	0.0504
Middle		1	0	22.52	0.1786	16.98	0.0499
Highest		1	0	22.43	0.1750	16.89	0.0489
Lowest	16QAM	1	0	22.01	0.1589	16.47	0.0444
Middle		1	0	21.89	0.1545	16.35	0.0432
Highest		1	0	21.98	0.1578	16.44	0.0441
Lowest	64QAM	1	0	20.91	0.1233	15.37	0.0344
Middle		1	0	20.86	0.1219	15.32	0.0340
Highest		1	0	20.85	0.1216	15.31	0.0340
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -3.39 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.57	0.1807	17.03	0.0505
Middle		1	25	22.54	0.1795	17.00	0.0501
Highest		1	25	22.55	0.1799	17.01	0.0502
Lowest	16QAM	1	25	22.01	0.1589	16.47	0.0444
Middle		1	25	21.97	0.1574	16.43	0.0440
Highest		1	25	22.06	0.1607	16.52	0.0449
Lowest	64QAM	1	25	20.86	0.1219	15.32	0.0340
Middle		1	25	20.84	0.1213	15.30	0.0339
Highest		1	25	20.98	0.1253	15.44	0.0350
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -4.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	20.51	0.1125	16.46	0.0443
Middle		12	7	20.57	0.1140	16.52	0.0449
Highest		12	7	20.74	0.1186	16.69	0.0467
Lowest	16QAM	1	12	20.74	0.1186	16.69	0.0467
Middle		1	12	20.85	0.1216	16.80	0.0479
Highest		1	12	21.10	0.1288	17.05	0.0507
Lowest	64QAM	1	0	20.65	0.1161	16.60	0.0457
Middle		1	0	20.76	0.1191	16.71	0.0469
Highest		1	0	21.02	0.1265	16.97	0.0498
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -4.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	25	20.56	0.1138	16.51	0.0448
Middle		25	25	20.53	0.1130	16.48	0.0445
Highest		25	25	20.78	0.1197	16.73	0.0471
Lowest	16QAM	1	25	20.76	0.1191	16.71	0.0469
Middle		1	25	20.88	0.1225	16.83	0.0482
Highest		1	25	21.14	0.1300	17.09	0.0512
Lowest	64QAM	1	49	20.81	0.1205	16.76	0.0474
Middle		1	49	20.83	0.1211	16.78	0.0476
Highest		1	49	21.07	0.1279	17.02	0.0504
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -4.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	20.57	0.1140	16.52	0.0449
Middle		1	74	20.68	0.1169	16.63	0.0460
Highest		1	74	20.83	0.1211	16.78	0.0476
Lowest	16QAM	1	74	20.95	0.1245	16.90	0.0490
Middle		1	74	21.06	0.1276	17.01	0.0502
Highest		1	74	21.19	0.1315	17.14	0.0518
Lowest	64QAM	1	74	20.86	0.1219	16.81	0.0480
Middle		1	74	20.96	0.1247	16.91	0.0491
Highest		1	74	21.11	0.1291	17.06	0.0508
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -4.05 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	20.53	0.1130	16.48	0.0445
Middle		1	99	20.64	0.1159	16.59	0.0456
Highest		1	99	20.75	0.1189	16.70	0.0468
Lowest	16QAM	1	99	20.91	0.1233	16.86	0.0485
Middle		1	99	21.05	0.1274	17.00	0.0501
Highest		1	99	21.20	0.1318	17.15	0.0519
Lowest	64QAM	1	99	20.82	0.1208	16.77	0.0475
Middle		1	99	20.93	0.1239	16.88	0.0488
Highest		1	99	21.10	0.1288	17.05	0.0507
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	22.44	0.1754	16.72	0.0470
Middle		3	1	22.52	0.1786	16.80	0.0479
Highest		3	1	22.44	0.1754	16.72	0.0470
Lowest	16QAM	1	3	21.85	0.1531	16.13	0.0410
Middle		1	3	21.88	0.1542	16.16	0.0413
Highest		1	3	21.84	0.1528	16.12	0.0409
Lowest	64QAM	3	1	20.71	0.1178	14.99	0.0316
Middle		3	1	20.80	0.1202	15.08	0.0322
Highest		3	1	20.75	0.1189	15.03	0.0318
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	22.42	0.1746	16.70	0.0468
Middle		1	14	22.53	0.1791	16.81	0.0480
Highest		1	14	22.44	0.1754	16.72	0.0470
Lowest	16QAM	1	8	21.86	0.1535	16.14	0.0411
Middle		1	8	21.90	0.1549	16.18	0.0415
Highest		1	8	21.91	0.1552	16.19	0.0416
Lowest	64QAM	1	14	20.77	0.1194	15.05	0.0320
Middle		1	14	20.79	0.1199	15.07	0.0321
Highest		1	14	20.83	0.1211	15.11	0.0324
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	22.42	0.1746	16.70	0.0468
Middle		1	12	22.47	0.1766	16.75	0.0473
Highest		1	12	22.56	0.1803	16.84	0.0483
Lowest	16QAM	1	12	21.83	0.1524	16.11	0.0408
Middle		1	12	21.87	0.1538	16.15	0.0412
Highest		1	12	22.03	0.1596	16.31	0.0428
Lowest	64QAM	1	12	20.73	0.1183	15.01	0.0317
Middle		1	12	20.79	0.1199	15.07	0.0321
Highest		1	12	20.92	0.1236	15.20	0.0331
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -3.57 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.52	0.1786	16.80	0.0479
Middle		1	49	22.60	0.1820	16.88	0.0488
Highest		1	49	22.58	0.1811	16.86	0.0485
Lowest	16QAM	1	49	21.91	0.1552	16.19	0.0416
Middle		1	49	22.02	0.1592	16.30	0.0427
Highest		1	49	22.06	0.1607	16.34	0.0431
Lowest	64QAM	1	49	20.87	0.1222	15.15	0.0327
Middle		1	49	20.94	0.1242	15.22	0.0333
Highest		1	49	20.96	0.1247	15.24	0.0334
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.23	0.2649	22.04	0.1600
Middle		1	12	24.25	0.2661	22.06	0.1607
Highest		1	12	24.17	0.2612	21.98	0.1578
Lowest	16QAM	1	24	23.27	0.2123	21.08	0.1282
Middle		1	24	23.31	0.2143	21.12	0.1294
Highest		1	24	23.25	0.2113	21.06	0.1276
Lowest	64QAM	1	12	22.03	0.1596	19.84	0.0964
Middle		1	12	22.06	0.1607	19.87	0.0971
Highest		1	12	22.04	0.1600	19.85	0.0966
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.00	0.2512	21.81	0.1517
Middle		1	49	24.14	0.2594	21.95	0.1567
Highest		1	49	24.04	0.2535	21.85	0.1531
Lowest	16QAM	1	0	23.24	0.2109	21.05	0.1274
Middle		1	0	23.39	0.2183	21.20	0.1318
Highest		1	0	23.39	0.2183	21.20	0.1318
Lowest	64QAM	1	0	22.14	0.1637	19.95	0.0989
Middle		1	0	22.28	0.1690	20.09	0.1021
Highest		1	0	22.28	0.1690	20.09	0.1021
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.14	0.2594	21.95	0.1567
Middle		1	0	24.28	0.2679	22.09	0.1618
Highest		1	0	24.28	0.2679	22.09	0.1618
Lowest	16QAM	1	0	23.19	0.2084	21.00	0.1259
Middle		1	0	23.32	0.2148	21.13	0.1297
Highest		1	0	23.43	0.2203	21.24	0.1330
Lowest	64QAM	1	0	21.95	0.1567	19.76	0.0946
Middle		1	0	22.10	0.1622	19.91	0.0979
Highest		1	0	22.14	0.1637	19.95	0.0989
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -2.19 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.11	0.2576	21.92	0.1556
Middle		1	0	24.29	0.2685	22.10	0.1622
Highest		1	0	24.18	0.2618	21.99	0.1581
Lowest	16QAM	1	99	23.25	0.2113	21.06	0.1276
Middle		1	99	23.34	0.2158	21.15	0.1303
Highest		1	99	23.15	0.2065	20.96	0.1247
Lowest	64QAM	1	0	21.90	0.1549	19.71	0.0935
Middle		1	0	22.10	0.1622	19.91	0.0979
Highest		1	0	22.02	0.1592	19.83	0.0962
Limit	EIRP < 2W			Result		PASS	

**Radiated Spurious Emission****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	3422	-49.16	-13	-36.16	-65.49	-60.13	1.35	12.31	H
	5133	-49.42	-13	-36.42	-71.14	-60.56	1.64	12.79	H
	6844	-44.61	-13	-31.61	-70.11	-54.99	1.74	12.12	H
									H
									H
									H
	3422	-50.70	-13	-37.70	-67.43	-61.67	1.35	12.31	V
	5133	-49.55	-13	-36.55	-71.09	-60.69	1.64	12.79	V
	6844	-44.87	-13	-31.87	-70.13	-55.25	1.74	12.12	V
									V
									V
									V
Middle	3447	-48.57	-13	-35.57	-65.14	-59.59	1.35	12.37	H
	5171	-49.09	-13	-36.09	-70.85	-60.27	1.65	12.84	H
	6894	-44.20	-13	-31.20	-69.95	-54.51	1.73	12.05	H
									H
									H
									H
	3447	-49.76	-13	-36.76	-66.72	-60.78	1.35	12.37	V
	5171	-49.61	-13	-36.61	-71.17	-60.79	1.65	12.84	V
	6894	-44.91	-13	-31.91	-70.23	-55.22	1.73	12.05	V
									V
									V
									V



Highest	3472	-49.37	-13	-36.37	-66.18	-60.45	1.35	12.43	H
	5208	-49.10	-13	-36.10	-70.9	-60.33	1.66	12.89	H
	6944	-43.95	-13	-30.95	-69.95	-54.20	1.73	11.98	H
									H
									H
									H
									H
	3472	-50.89	-13	-37.89	-68.08	-61.97	1.35	12.43	V
	5208	-49.73	-13	-36.73	-71.36	-60.96	1.66	12.89	V
	6944	-44.67	-13	-31.67	-70.21	-54.92	1.73	11.98	V
									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	1656	-60.75	-13	-47.75	-70.87	-66.37	0.92	8.69	H
	2488	-56.79	-13	-43.79	-71.1	-64.18	1.15	10.68	H
	3320	-55.70	-13	-42.70	-71.31	-64.29	1.33	12.07	H
									H
									H
									H
	1656	-61.08	-13	-48.08	-70.63	-66.70	0.92	8.69	V
	2488	-56.83	-13	-43.83	-71.33	-64.22	1.15	10.68	V
	3320	-54.97	-13	-41.97	-71.04	-63.56	1.33	12.07	V
									V
									V
									V
Middle	1672	-60.42	-13	-47.42	-70.58	-66.10	0.93	8.75	H
	2512	-56.79	-13	-43.79	-71.08	-64.20	1.15	10.71	H
	3344	-55.77	-13	-42.77	-71.32	-64.41	1.33	12.13	H
									H
									H
									H
									H
	1672	-61.39	-13	-48.39	-70.92	-67.07	0.93	8.75	V
	2512	-56.62	-13	-43.62	-71.1	-64.03	1.15	10.71	V
	3344	-54.97	-13	-41.97	-70.97	-63.61	1.33	12.13	V
									V
									V
									V
									V



Highest	1688	-60.66	-13	-47.66	-70.88	-66.39	0.93	8.81	H
	2536	-57.09	-13	-44.09	-71.36	-64.52	1.16	10.74	H
	3376	-55.77	-13	-42.77	-71.25	-64.48	1.34	12.20	H
									H
									H
									H
									H
	1688	-61.04	-13	-48.04	-70.57	-66.77	0.93	8.81	V
	2536	-56.64	-13	-43.64	-71.04	-64.07	1.16	10.74	V
	3376	-55.40	-13	-42.40	-71.32	-64.11	1.34	12.20	V
									V
									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	5040	-50.24	-25	-25.24	-71.91	-61.28	1.62	12.66	H
	7554	-45.79	-25	-20.79	-72.1	-54.90	2.00	11.11	H
	10080	-42.53	-25	-17.53	-71.75	-51.37	2.40	11.24	H
									H
									H
									H
	5040	-50.25	-25	-25.25	-71.52	-61.29	1.62	12.66	V
	7554	-45.86	-25	-20.86	-72.13	-54.97	2.00	11.11	V
	10080	-41.54	-25	-16.54	-71.39	-50.38	2.40	11.24	V
									V
									V
									V
Middle	5088	-50.39	-25	-25.39	-72.1	-61.48	1.63	12.72	H
	7632	-46.00	-25	-21.00	-72.05	-55.12	2.01	11.13	H
	10179	-41.89	-25	-16.89	-71.49	-50.65	2.40	11.16	H
									H
									H
									H
	5088	-50.37	-25	-25.37	-71.75	-61.46	1.63	12.72	V
	7632	-45.72	-25	-20.72	-71.68	-54.84	2.01	11.13	V
	10179	-41.11	-25	-16.11	-71.12	-49.87	2.40	11.16	V
									V
									V
									V



Highest	5136	-50.18	-25	-25.18	-71.9	-61.33	1.65	12.79	H
	7704	-45.51	-25	-20.51	-71.57	-54.63	2.02	11.14	H
	10278	-41.34	-25	-16.34	-71.33	-50.02	2.39	11.08	H
									H
									H
									H
									H
	5136	-50.39	-25	-25.39	-71.86	-61.54	1.65	12.79	V
	7704	-45.98	-25	-20.98	-71.86	-55.10	2.02	11.14	V
	10278	-41.30	-25	-16.30	-71.48	-49.98	2.39	11.08	V
									V
									V
									V
									V

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

**LTE Band 12**

LTE Band 12 / 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	1416	-58.73	-13	-45.73	-69.95	-63.45	0.85	7.71	H
	2125	-56.00	-13	-43.00	-70.60	-62.96	1.07	10.18	H
	2834	-55.63	-13	-42.63	-70.62	-63.35	1.23	11.10	H
									H
									H
									H
	1416	-60.07	-13	-47.07	-70.08	-64.79	0.85	7.71	V
	2125	-56.52	-13	-43.52	-69.98	-63.48	1.07	10.18	V
	2834	-55.57	-13	-42.57	-70.53	-63.29	1.23	11.10	V
									V
									V
									V
Middle	1416	-59.02	-13.00	-46.02	-70.19	-63.74	0.85	7.71	H
	2120	-55.99	-13.00	-42.99	-70.77	-62.94	1.07	10.17	H
	2848	-55.18	-13.00	-42.18	-70.22	-62.91	1.23	11.12	H
									H
									H
									H
									H
	1416	-60.29	-13.00	-47.29	-70.27	-65.01	0.85	7.71	V
	2120	-57.06	-13.00	-44.06	-70.69	-64.01	1.07	10.17	V
	2848	-55.30	-13.00	-42.30	-70.33	-63.03	1.23	11.12	V
									V
									V
									V
									V



Highest	1431	-59.26	-13	-46.26	-70.39	-64.04	0.85	7.78	H
	2146	-55.46	-13	-42.46	-70.39	-62.44	1.07	10.20	H
	2862	-55.58	-13	-42.58	-70.67	-63.33	1.24	11.13	H
									H
									H
									H
									H
	1431	-60.17	-13	-47.17	-70.11	-64.95	0.85	7.78	V
	2146	-56.85	-13	-43.85	-70.61	-63.83	1.07	10.20	V
	2862	-55.37	-13	-42.37	-70.46	-63.12	1.24	11.13	V
									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	5128	-48.87	-25	-23.87	-70.59	-60.01	1.64	12.78	H
	7692	-43.88	-25	-18.88	-69.93	-53.00	2.02	11.14	H
	10256	-40.30	-25	-15.30	-70.2	-49.00	2.39	11.10	H
									H
									H
									H
	5128	-49.60	-25	-24.60	-71.06	-60.74	1.64	12.78	V
	7692	-44.87	-25	-19.87	-70.75	-53.99	2.02	11.14	V
	10256	-40.14	-25	-15.14	-70.28	-48.84	2.39	11.10	V
									V
									V
									V
Middle	5218	-49.84	-25	-24.84	-71.67	-61.08	1.67	12.91	H
	7827	-44.33	-25	-19.33	-70.57	-53.46	2.04	11.17	H
	10436	-39.85	-25	-14.85	-70.46	-48.41	2.39	10.95	H
									H
									H
									H
	5218	-49.89	-25	-24.89	-71.54	-61.13	1.67	12.91	V
	7827	-45.20	-25	-20.20	-71.16	-54.33	2.04	11.17	V
	10436	-40.18	-25	-15.18	-70.64	-48.74	2.39	10.95	V
									V
									V
									V



Highest	5310	-49.33	-25	-24.33	-71.51	-60.67	1.69	13.03	H
	7962	-44.60	-25	-19.60	-71.79	-53.74	2.05	11.19	H
	10620	-40.51	-25	-15.51	-71.74	-48.96	2.45	10.90	H
									H
									H
									H
	5310	-49.67	-25	-24.67	-71.55	-61.01	1.69	13.03	V
	7962	-44.70	-25	-19.70	-71.71	-53.84	2.05	11.19	V
	10620	-40.76	-25	-15.76	-71.73	-49.21	2.45	10.90	V
									V
									V
									V

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

—————**THE END**—————