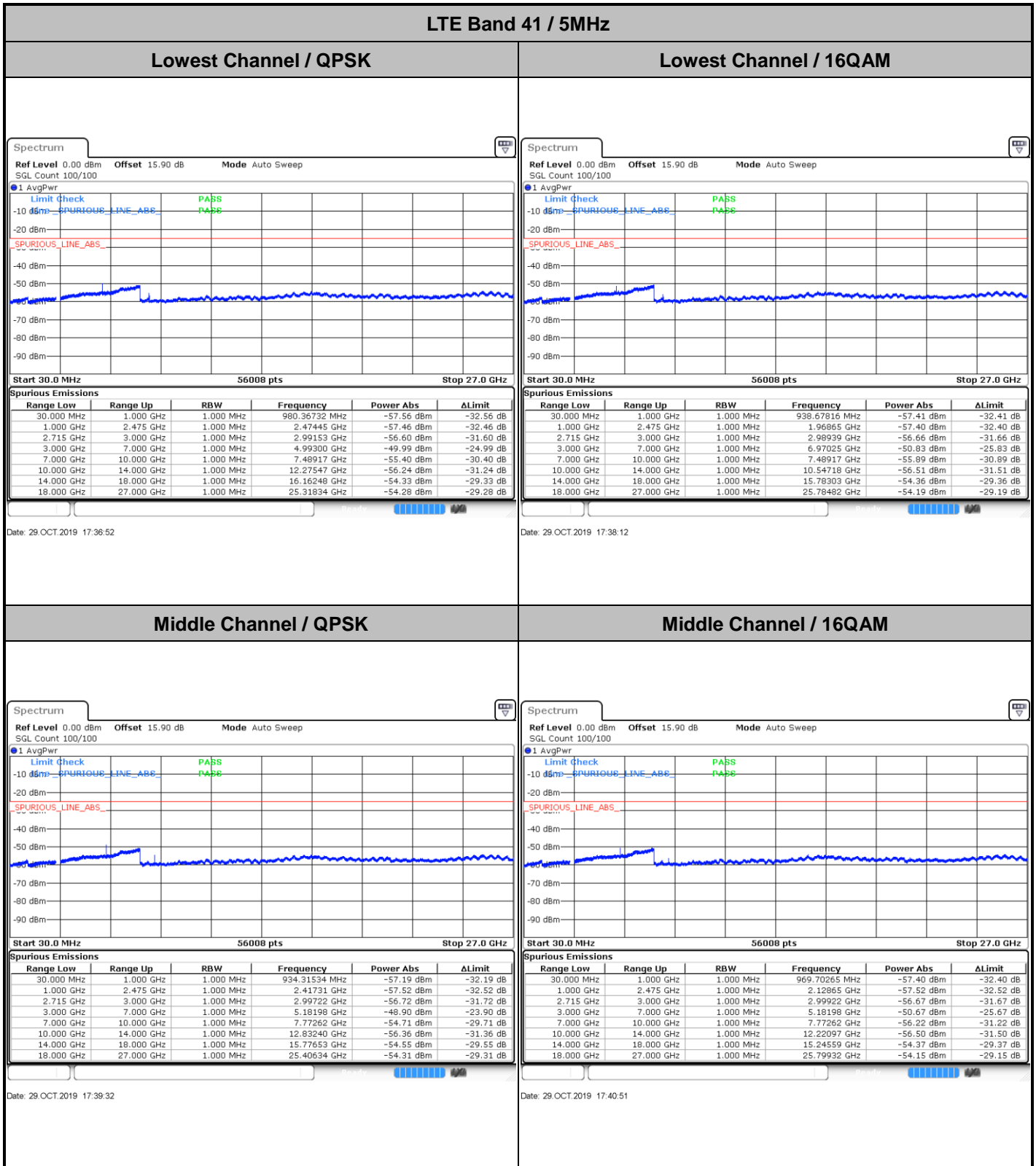




Conducted Spurious Emission

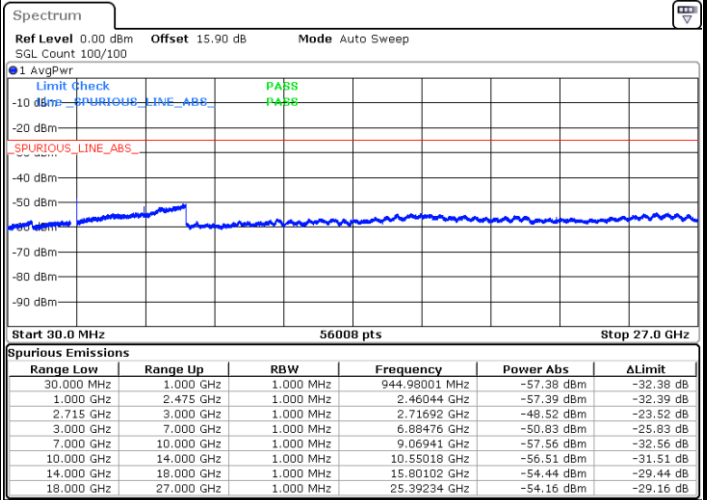
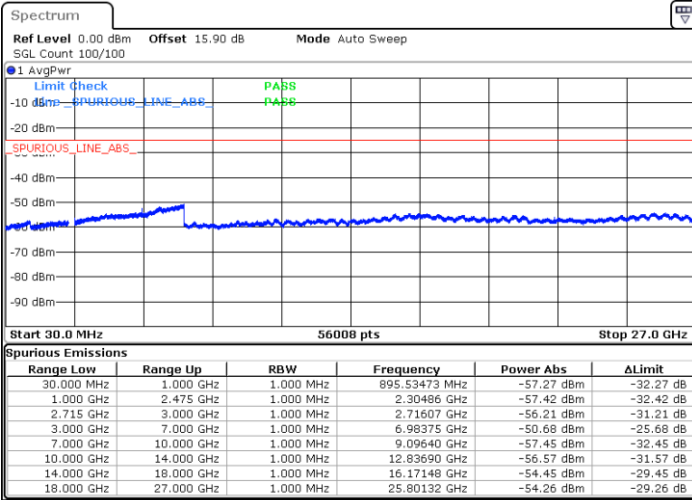




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



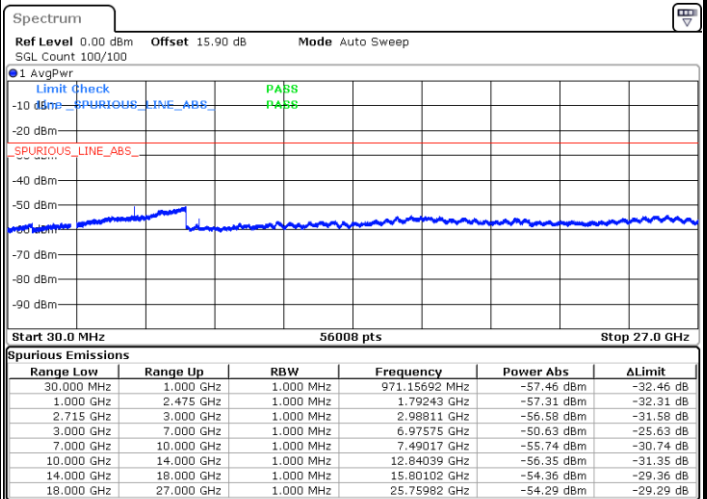
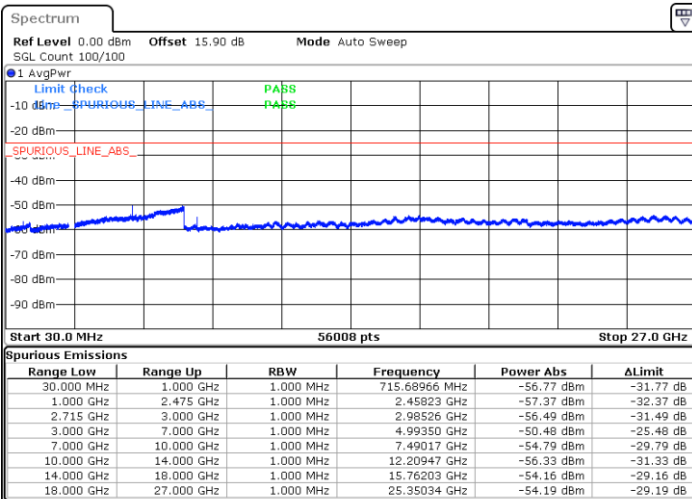
Date: 29.OCT.2019 17:42:11

Date: 29.OCT.2019 17:43:30

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 29.OCT.2019 17:44:50

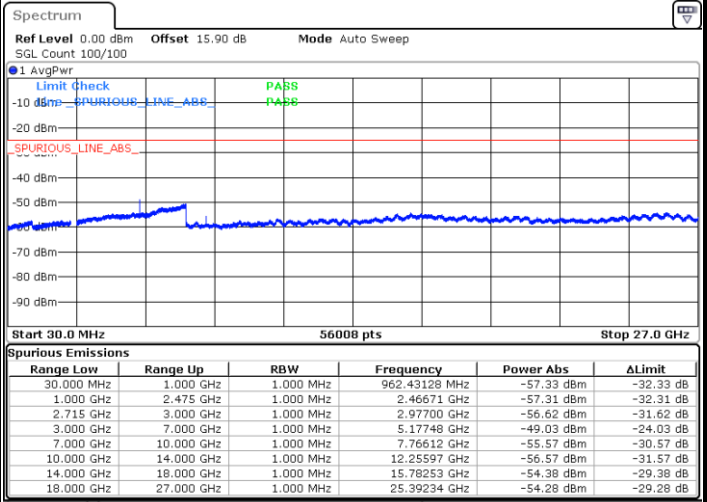
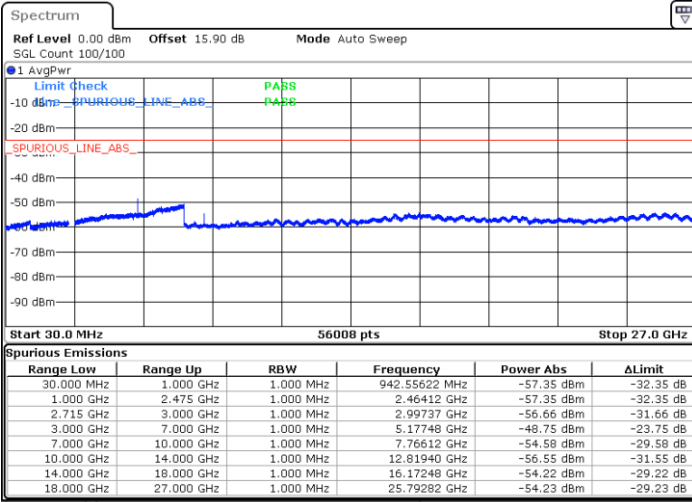
Date: 29.OCT.2019 17:46:10



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

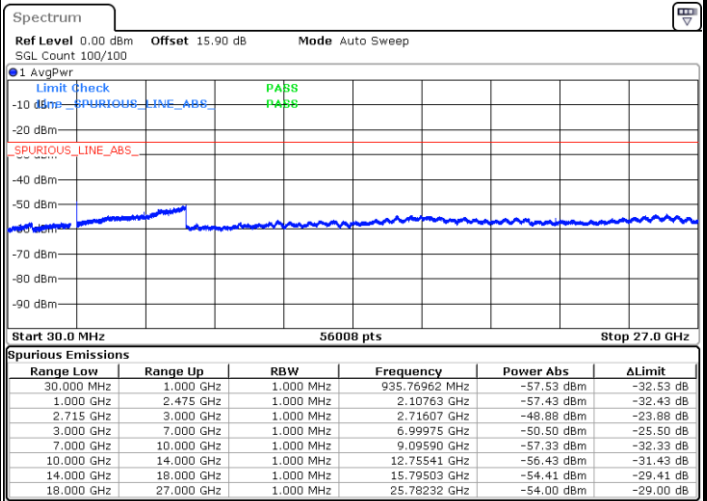
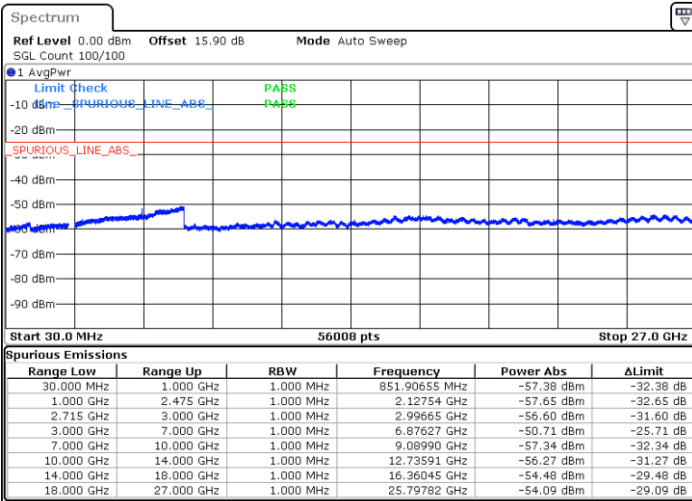


Date: 29.OCT.2019 17:47:29

Date: 29.OCT.2019 17:48:49

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2019 17:50:09

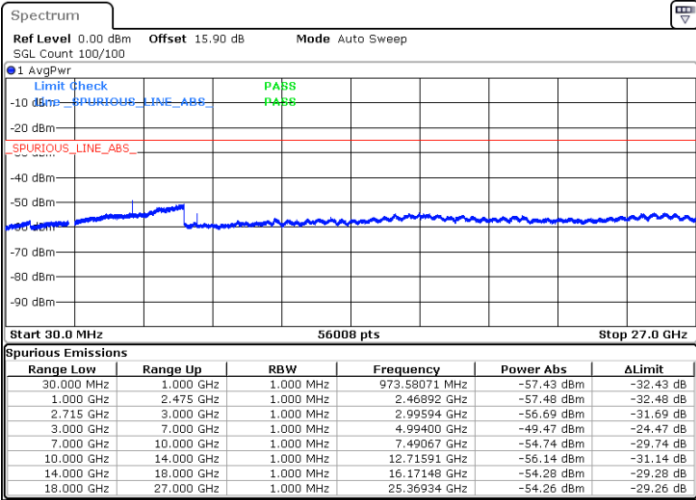
Date: 29.OCT.2019 17:51:28



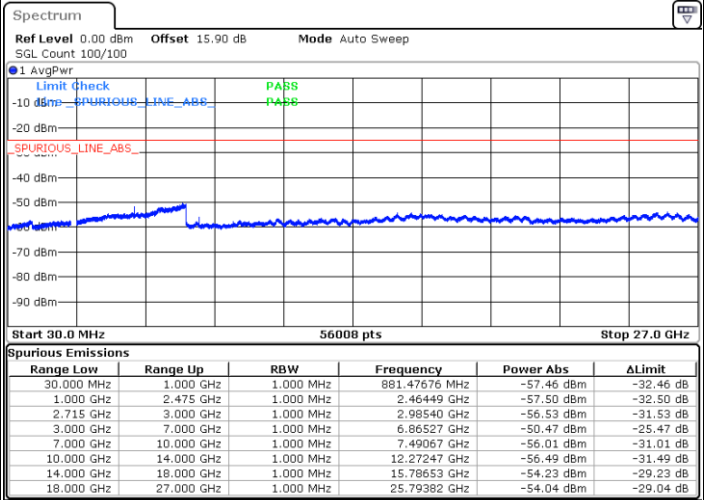
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



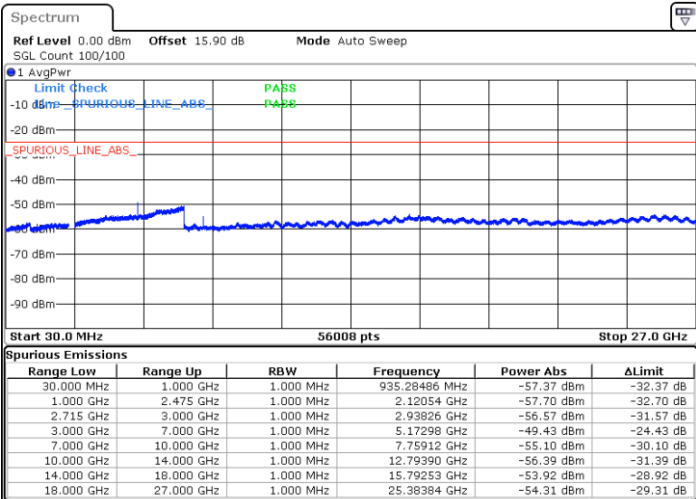
Date: 29.OCT.2019 17:52:48



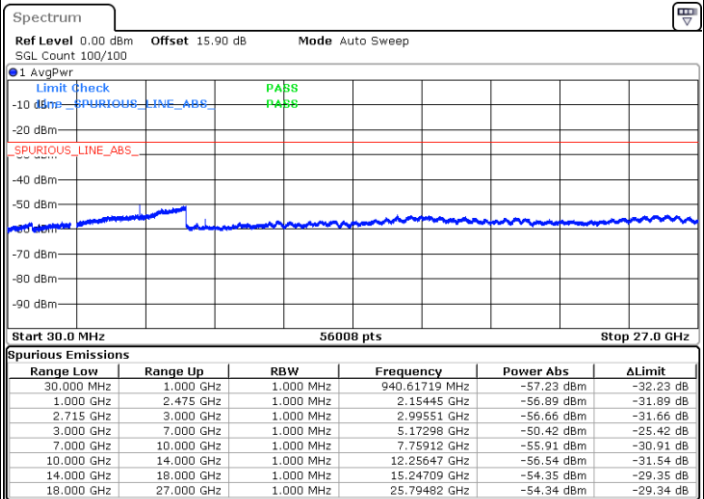
Date: 29.OCT.2019 17:54:08

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 29.OCT.2019 17:55:27



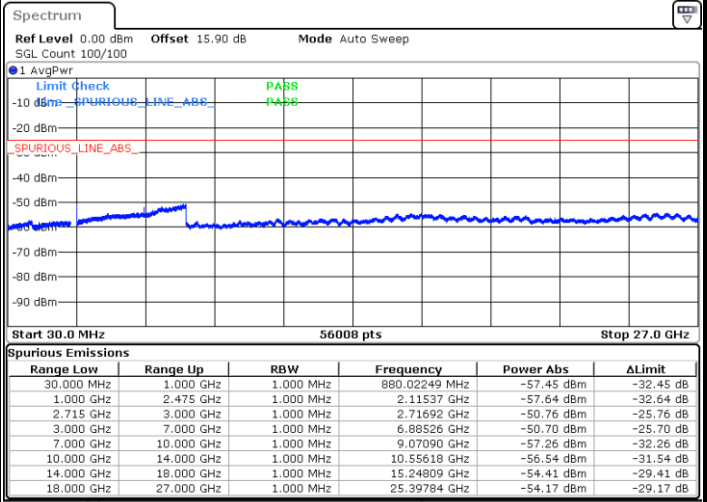
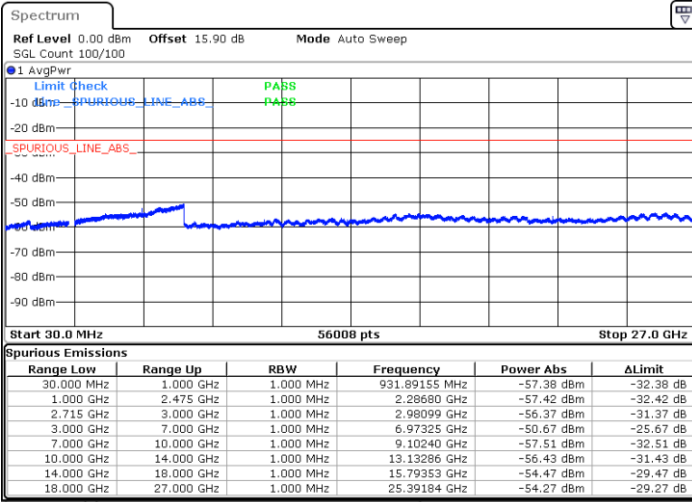
Date: 29.OCT.2019 17:56:47



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



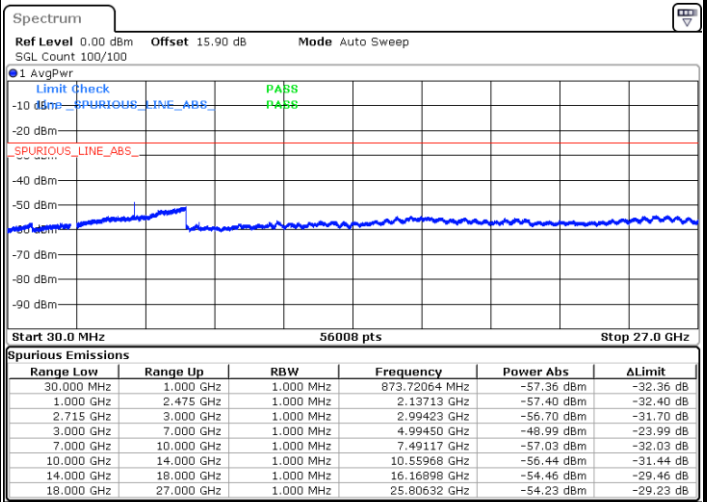
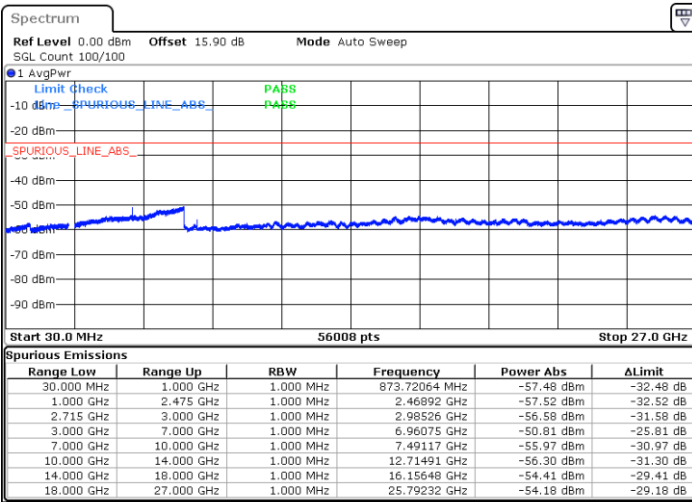
Date: 29.OCT.2019 17:58:07

Date: 29.OCT.2019 17:59:26

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 29.OCT.2019 18:00:46

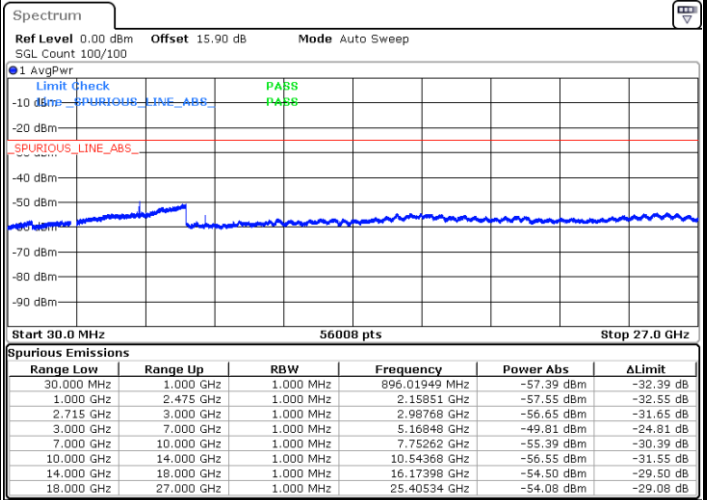
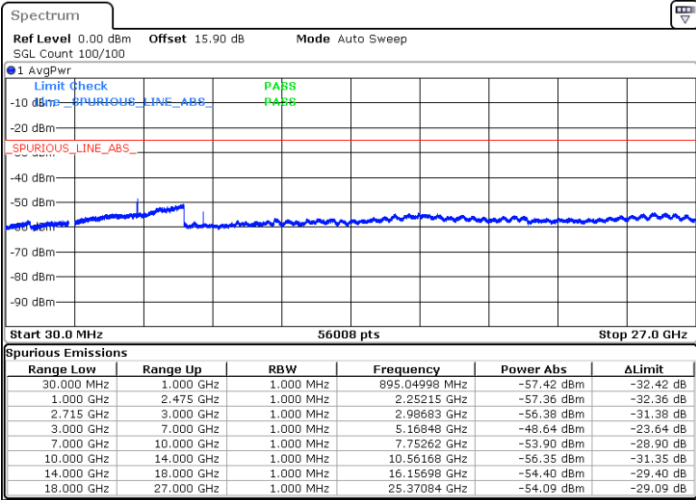
Date: 29.OCT.2019 18:02:06



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

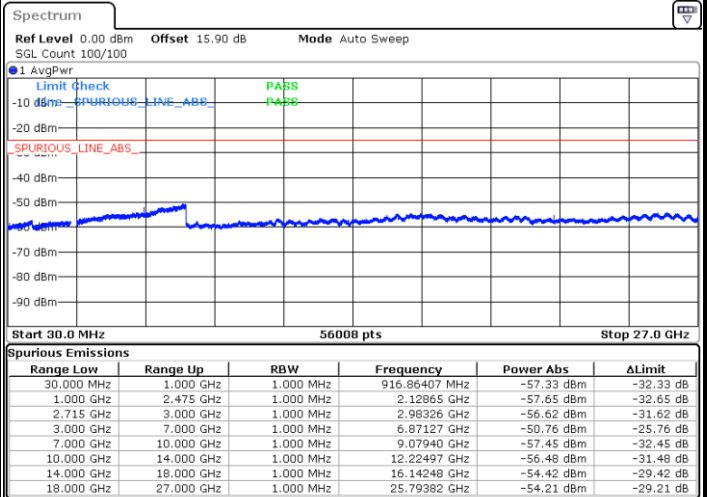
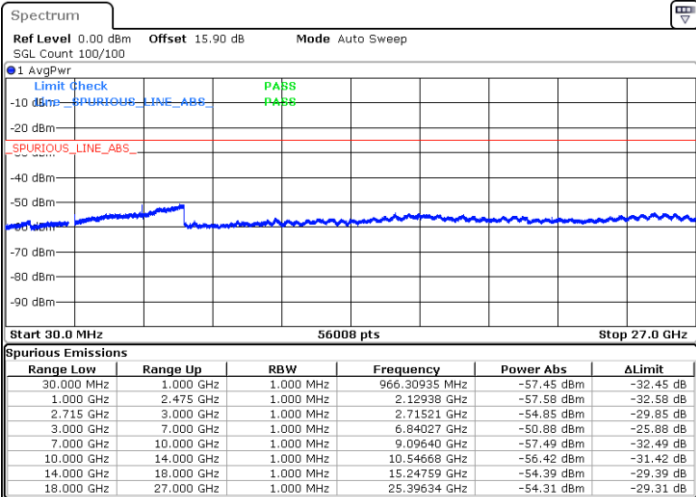


Date: 29.OCT.2019 18:03:25

Date: 29.OCT.2019 18:04:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29.OCT.2019 18:06:05

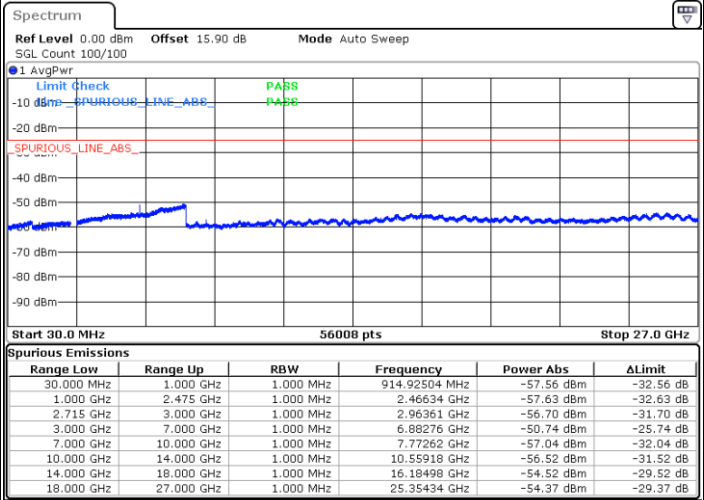
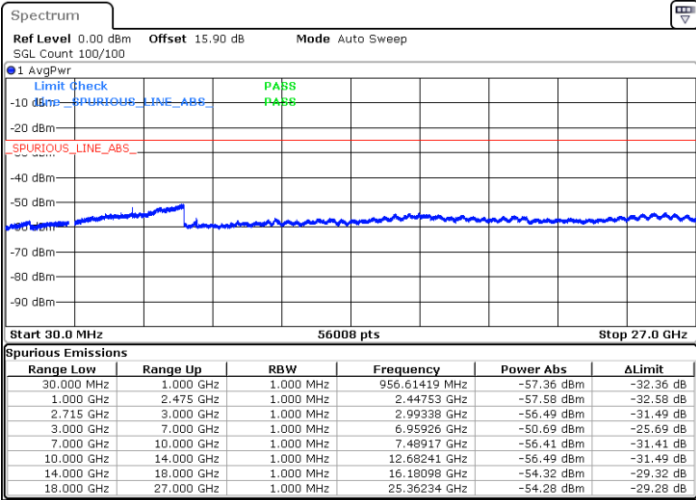
Date: 29.OCT.2019 18:07:24



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

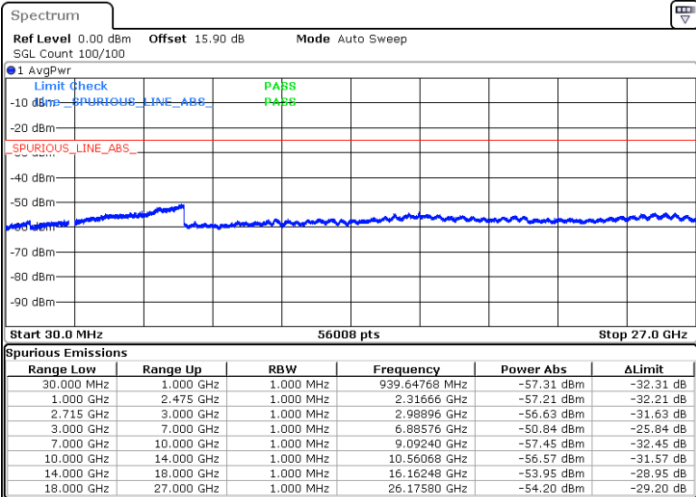
Middle Channel / 64QAM



Date: 29.OCT.2019 17:20:56

Date: 29.OCT.2019 17:22:16

Highest Channel / 64QAM



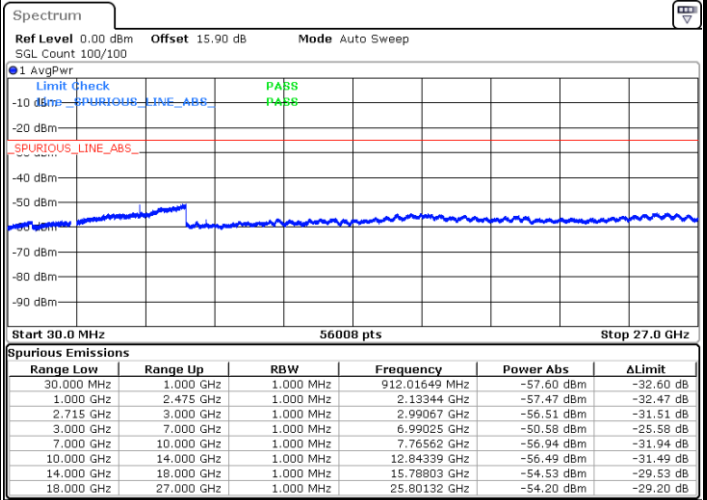
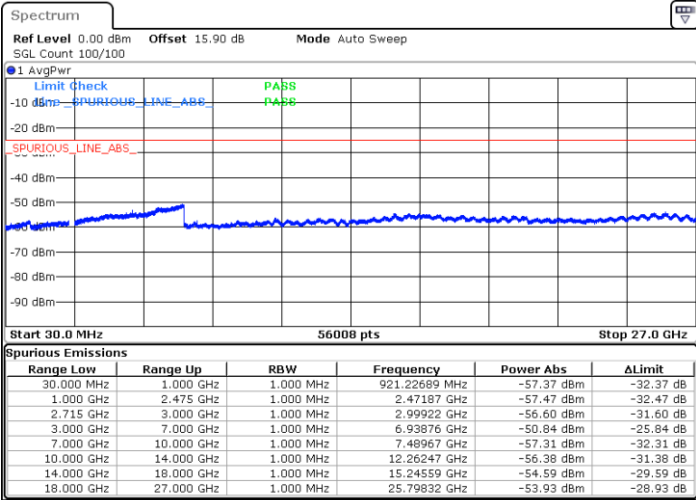
Date: 29.OCT.2019 17:23:36



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

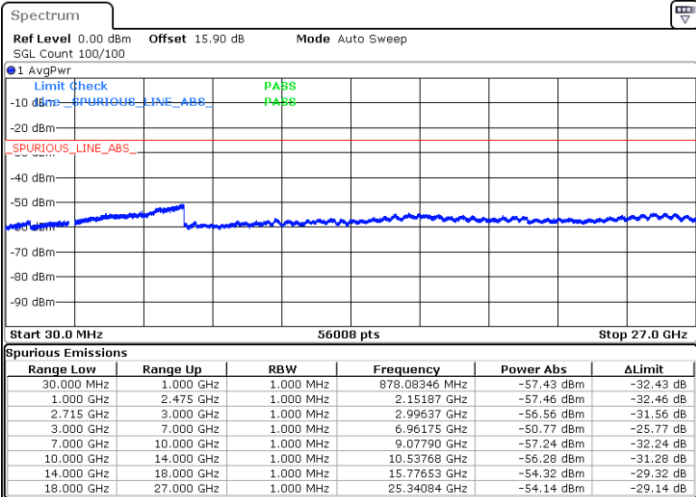
Middle Channel / 64QAM



Date: 29.OCT.2019 17:24:55

Date: 29.OCT.2019 17:26:15

Highest Channel / 64QAM



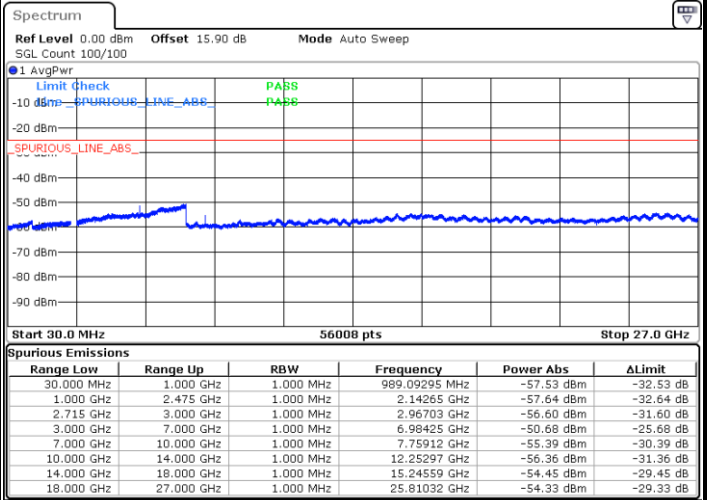
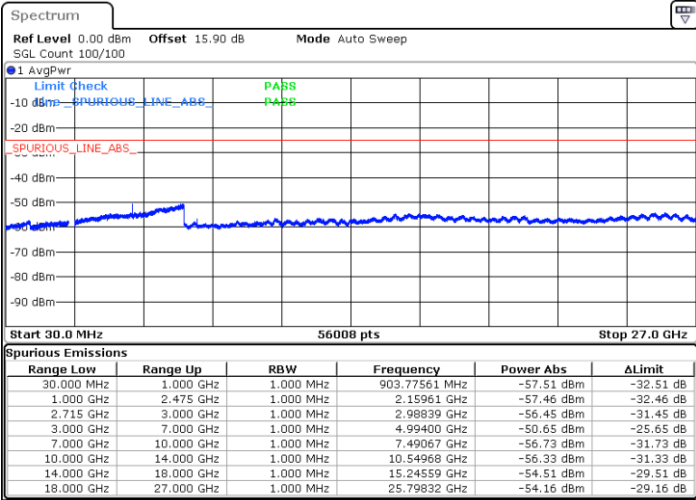
Date: 29.OCT.2019 17:27:35



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

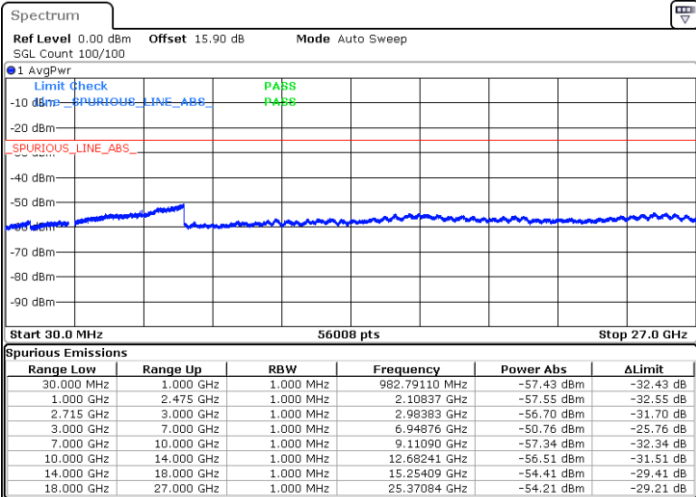
Middle Channel / 64QAM



Date: 29.OCT.2019 17:28:54

Date: 29.OCT.2019 17:30:14

Highest Channel / 64QAM



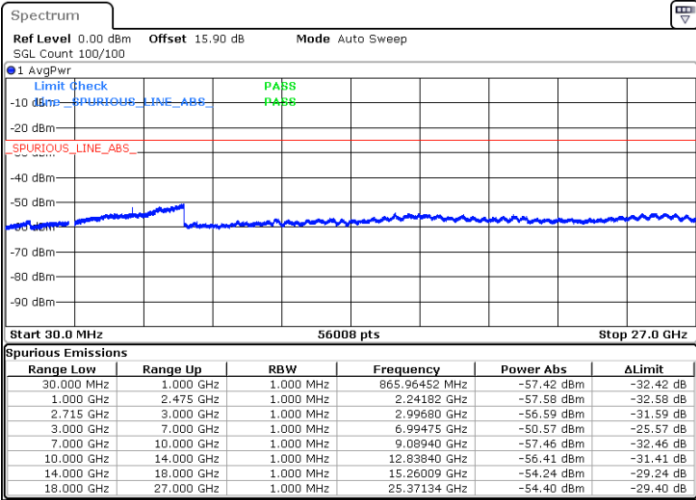
Date: 29.OCT.2019 17:31:34



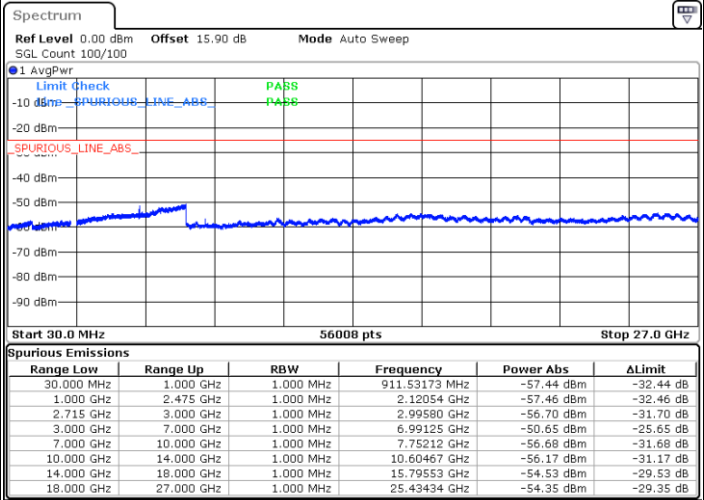
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

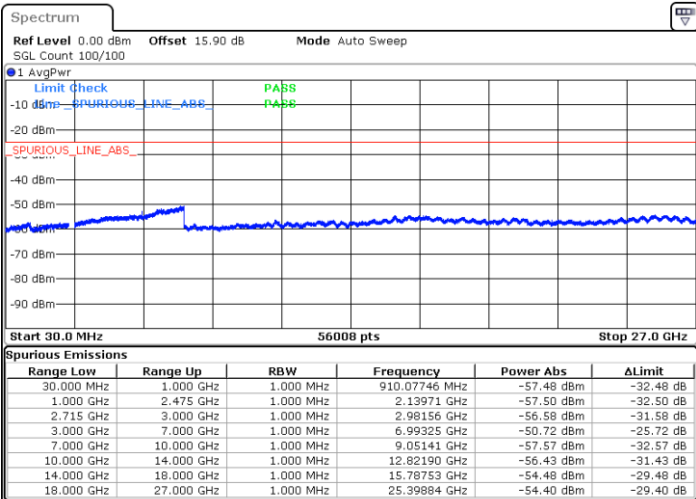


Date: 29.OCT.2019 17:32:53



Date: 29.OCT.2019 17:34:13

Highest Channel / 64QAM



Date: 29.OCT.2019 17:35:32



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	0.0091	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0075	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0078	
20	Normal Voltage	0.0063	
20	Battery End Point	0.0056	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 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 5 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.00	0.1585	21.85	0.1531
Middle		1	3	22.30	0.1698	22.15	0.1641
Highest		1	3	22.94	0.1968	22.79	0.1901
Lowest	16QAM	1	3	21.84	0.1528	21.69	0.1476
Middle		1	3	21.60	0.1445	21.45	0.1396
Highest		1	3	22.18	0.1652	22.03	0.1596
Lowest	64QAM	1	3	20.25	0.1059	20.10	0.1023
Middle		1	3	20.55	0.1135	20.40	0.1096
Highest		1	3	20.85	0.1216	20.70	0.1175
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.03	0.1596	21.88	0.1542
Middle		1	8	22.39	0.1734	22.24	0.1675
Highest		1	8	22.98	0.1986	22.83	0.1919
Lowest	16QAM	1	14	21.24	0.1330	21.09	0.1285
Middle		1	14	21.68	0.1472	21.53	0.1422
Highest		1	14	22.00	0.1585	21.85	0.1531
Lowest	64QAM	1	0	20.00	0.1000	19.85	0.0966
Middle		1	0	20.36	0.1086	20.21	0.1050
Highest		1	0	20.95	0.1245	20.80	0.1202
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.01	0.1589	21.86	0.1535
Middle		1	24	22.02	0.1592	21.87	0.1538
Highest		1	24	22.88	0.1941	22.73	0.1875
Lowest	16QAM	1	12	21.46	0.1400	21.31	0.1352
Middle		1	12	21.55	0.1429	21.40	0.1380
Highest		1	12	22.00	0.1585	21.85	0.1531
Lowest	64QAM	1	12	20.23	0.1054	20.08	0.1019
Middle		1	12	20.50	0.1122	20.35	0.1084
Highest		1	12	20.98	0.1253	20.83	0.1211
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.19	0.1656	22.04	0.1600
Middle		1	49	22.50	0.1778	22.35	0.1718
Highest		1	49	22.95	0.1972	22.80	0.1905
Lowest	16QAM	1	49	21.52	0.1419	21.37	0.1371
Middle		1	49	21.88	0.1542	21.73	0.1489
Highest		1	49	21.22	0.1324	21.07	0.1279
Lowest	64QAM	1	49	20.45	0.1109	20.30	0.1072
Middle		1	49	20.81	0.1205	20.66	0.1164
Highest		1	49	21.00	0.1259	20.85	0.1216
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.07	0.2028	22.92	0.1959
Middle		1	3	23.18	0.2080	23.03	0.2009
Highest		1	3	23.11	0.2046	22.96	0.1977
Lowest	16QAM	1	3	22.27	0.1687	22.12	0.1629
Middle		1	3	22.45	0.1758	22.30	0.1698
Highest		1	3	22.29	0.1694	22.14	0.1637
Lowest	64QAM	1	3	21.19	0.1315	21.04	0.1271
Middle		1	3	21.43	0.1390	21.28	0.1343
Highest		1	3	21.32	0.1355	21.17	0.1309
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.22	0.2099	23.07	0.2028
Middle		1	8	23.36	0.2168	23.21	0.2094
Highest		1	8	23.31	0.2143	23.16	0.2070
Lowest	16QAM	1	8	22.46	0.1762	22.31	0.1702
Middle		1	8	22.61	0.1824	22.46	0.1762
Highest		1	8	22.55	0.1799	22.40	0.1738
Lowest	64QAM	1	8	21.43	0.1390	21.28	0.1343
Middle		1	8	21.61	0.1449	21.46	0.1400
Highest		1	8	21.40	0.1380	21.25	0.1334
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.14	0.2061	22.99	0.1991
Middle		1	12	23.29	0.2133	23.14	0.2061
Highest		1	12	23.19	0.2084	23.04	0.2014
Lowest	16QAM	1	12	22.39	0.1734	22.24	0.1675
Middle		1	12	22.50	0.1778	22.35	0.1718
Highest		1	12	22.45	0.1758	22.30	0.1698
Lowest	64QAM	1	12	21.33	0.1358	21.18	0.1312
Middle		1	12	21.42	0.1387	21.27	0.1340
Highest		1	12	21.39	0.1377	21.24	0.1330
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	23.29	0.2133	23.14	0.2061
Middle		1	49	23.20	0.2089	23.05	0.2018
Highest		1	49	23.19	0.2084	23.04	0.2014
Lowest	16QAM	1	49	22.55	0.1799	22.40	0.1738
Middle		1	49	22.42	0.1746	22.27	0.1687
Highest		1	49	22.42	0.1746	22.27	0.1687
Lowest	64QAM	1	49	21.58	0.1439	21.43	0.1390
Middle		1	49	21.47	0.1403	21.32	0.1355
Highest		1	49	21.45	0.1396	21.30	0.1349
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.29	0.1694	24.29	0.2685
Middle		1	24	22.16	0.1644	24.16	0.2606
Highest		1	24	22.56	0.1803	24.56	0.2858
Lowest	16QAM	1	24	21.40	0.1380	23.40	0.2188
Middle		1	24	21.29	0.1346	23.29	0.2133
Highest		1	24	21.67	0.1469	23.67	0.2328
Lowest	64QAM	1	12	20.11	0.1026	22.11	0.1626
Middle		1	12	20.10	0.1023	22.10	0.1622
Highest		1	12	20.40	0.1096	22.40	0.1738
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.17	0.1648	24.17	0.2612
Middle		1	0	22.04	0.1600	24.04	0.2535
Highest		1	0	22.51	0.1782	24.51	0.2825
Lowest	16QAM	1	0	21.24	0.1330	23.24	0.2109
Middle		1	0	21.04	0.1271	23.04	0.2014
Highest		1	0	21.59	0.1442	23.59	0.2286
Lowest	64QAM	1	0	20.09	0.1021	22.09	0.1618
Middle		1	0	20.02	0.1005	22.02	0.1592
Highest		1	0	20.36	0.1086	22.36	0.1722
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.29	0.1694	24.29	0.2685
Middle		1	74	22.12	0.1629	24.12	0.2582
Highest		1	74	22.70	0.1862	24.70	0.2951
Lowest	16QAM	1	74	21.38	0.1374	23.38	0.2178
Middle		1	74	21.27	0.1340	23.27	0.2123
Highest		1	74	21.77	0.1503	23.77	0.2382
Lowest	64QAM	1	74	20.17	0.1040	22.17	0.1648
Middle		1	74	20.02	0.1005	22.02	0.1592
Highest		1	74	20.53	0.1130	22.53	0.1791
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.32	0.1706	24.32	0.2704
Middle		1	99	22.19	0.1656	24.19	0.2624
Highest		1	99	22.63	0.1832	24.63	0.2904
Lowest	16QAM	1	99	21.40	0.1380	23.40	0.2188
Middle		1	99	21.31	0.1352	23.31	0.2143
Highest		1	99	21.74	0.1493	23.74	0.2366
Lowest	64QAM	1	99	20.17	0.1040	22.17	0.1648
Middle		1	99	20.07	0.1016	22.07	0.1611
Highest		1	99	20.48	0.1117	22.48	0.1770
Limit	EIRP < 2W			Result		PASS	



LTE Band 41(HPUE) / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	25.59	0.3622	27.59	0.5741
Middle		1	24	25.25	0.3350	27.25	0.5309
Highest		1	24	25.46	0.3516	27.46	0.5572
Lowest	16QAM	1	12	24.83	0.3041	26.83	0.4819
Middle		1	12	24.46	0.2793	26.46	0.4426
Highest		1	12	24.70	0.2951	26.70	0.4677
Lowest	64QAM	1	0	23.72	0.2355	25.72	0.3733
Middle		1	0	23.36	0.2168	25.36	0.3436
Highest		1	0	23.59	0.2286	25.59	0.3622
Limit	EIRP < 2W			Result		PASS	

LTE Band 41(HPUE) / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	25.50	0.3548	27.50	0.5623
Middle		1	25	25.18	0.3296	27.18	0.5224
Highest		1	25	25.44	0.3499	27.44	0.5546
Lowest	16QAM	1	0	24.79	0.3013	26.79	0.4775
Middle		1	0	24.34	0.2716	26.34	0.4305
Highest		1	0	24.75	0.2985	26.75	0.4732
Lowest	64QAM	1	0	23.70	0.2344	25.70	0.3715
Middle		1	0	23.27	0.2123	25.27	0.3365
Highest		1	0	23.68	0.2333	25.68	0.3698
Limit	EIRP < 2W			Result		PASS	

LTE Band 41(HPUE) / 15MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	25.63	0.3656	27.63	0.5794
Middle		1	74	25.37	0.3443	27.37	0.5458
Highest		1	74	25.73	0.3741	27.73	0.5929
Lowest	16QAM	1	74	24.84	0.3048	26.84	0.4831
Middle		1	74	24.55	0.2851	26.55	0.4519
Highest		1	74	24.91	0.3097	26.91	0.4909
Lowest	64QAM	1	0	23.79	0.2393	25.79	0.3793
Middle		1	0	23.44	0.2208	25.44	0.3499
Highest		1	0	23.66	0.2323	25.66	0.3681
Limit	EIRP < 2W			Result		PASS	



LTE Band 41(HPUE) / 20MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	26.23	0.4198	28.23	0.6653
Middle		1	99	26.05	0.4027	28.05	0.6383
Highest		1	99	26.28	0.4246	28.28	0.6730
Lowest	16QAM	1	0	25.55	0.3589	27.55	0.5689
Middle		1	0	25.08	0.3221	27.08	0.5105
Highest		1	0	25.27	0.3365	27.27	0.5333
Lowest	64QAM	1	99	24.40	0.2754	26.40	0.4365
Middle		1	99	24.04	0.2535	26.04	0.4018
Highest		1	99	23.96	0.2489	25.96	0.3945
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.04	0.1600	24.04	0.2535
Middle		1	12	22.07	0.1611	24.07	0.2553
Highest		1	12	22.18	0.1652	24.18	0.2618
Lowest	16QAM	1	0	21.18	0.1312	23.18	0.2080
Middle		1	0	21.26	0.1337	23.26	0.2118
Highest		1	0	21.20	0.1318	23.20	0.2089
Lowest	64QAM	1	12	20.07	0.1016	22.07	0.1611
Middle		1	12	20.09	0.1021	22.09	0.1618
Highest		1	12	20.22	0.1052	22.22	0.1667
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.10	0.1622	24.10	0.2570
Middle		1	49	22.20	0.1660	24.20	0.2630
Highest		1	49	22.29	0.1694	24.29	0.2685
Lowest	16QAM	1	0	21.15	0.1303	23.15	0.2065
Middle		1	0	21.23	0.1327	23.23	0.2104
Highest		1	0	21.31	0.1352	23.31	0.2143
Lowest	64QAM	1	25	20.03	0.1007	22.03	0.1596
Middle		1	25	20.02	0.1005	22.02	0.1592
Highest		1	25	20.10	0.1023	22.10	0.1622
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.17	0.1648	24.17	0.2612
Middle		1	0	22.14	0.1637	24.14	0.2594
Highest		1	0	22.35	0.1718	24.35	0.2723
Lowest	16QAM	1	0	21.20	0.1318	23.20	0.2089
Middle		1	0	21.23	0.1327	23.23	0.2104
Highest		1	0	21.40	0.1380	23.40	0.2188
Lowest	64QAM	1	0	20.02	0.1005	22.02	0.1592
Middle		1	0	20.02	0.1005	22.02	0.1592
Highest		1	0	20.18	0.1042	22.18	0.1652
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.07	0.1611	24.07	0.2553
Middle		1	49	22.07	0.1611	24.07	0.2553
Highest		1	49	22.19	0.1656	24.19	0.2624
Lowest	16QAM	1	49	21.15	0.1303	23.15	0.2065
Middle		1	49	21.16	0.1306	23.16	0.2070
Highest		1	49	21.33	0.1358	23.33	0.2153
Lowest	64QAM	1	49	20.03	0.1007	22.03	0.1596
Middle		1	49	20.02	0.1005	22.02	0.1592
Highest		1	49	20.10	0.1023	22.10	0.1622
Limit	EIRP < 2W			Result		PASS	



Radiated Spurious Emission

Part 22H LTE Band 5

LTE Band 5 / 3MHz / 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	-61.31	-13	-48.31	-68.81	-66.70	1.23	8.76	H
	2480	-59.29	-13	-46.29	-70.1	-66.19	1.44	10.48	H
	3304	-58.90	-13	-45.90	-71.9	-66.85	1.71	11.81	H
									H
									H
	1648	-60.08	-13	-47.08	-67.46	-65.47	1.23	8.76	V
	2480	-58.80	-13	-45.80	-69.87	-65.70	1.44	10.48	V
	3304	-58.01	-13	-45.01	-71.42	-65.96	1.71	11.81	V
									V
									V
Middle	1672	-61.89	-13	-48.89	-69.44	-67.36	1.24	8.85	H
	2512	-59.78	-13	-46.78	-70.52	-66.70	1.44	10.51	H
	3344	-58.72	-13	-45.72	-71.46	-66.76	1.74	11.93	H
									H
									H
	1672	-62.86	-13	-49.86	-70.3	-68.33	1.24	8.85	V
	2512	-59.54	-13	-46.54	-70.47	-66.46	1.44	10.51	V
	3344	-58.47	-13	-45.47	-71.74	-66.51	1.74	11.93	V
									V
									V



Highest	1696	-60.90	-13	-47.90	-68.51	-66.45	1.24	8.94	H
	2544	-57.50	-13	-44.50	-68.26	-64.44	1.44	10.54	H
	3392	-60.49	-13	-47.49	-71.94	-68.63	1.78	12.08	H
									H
									H
	1696	-60.82	-13	-47.82	-68.34	-66.37	1.24	8.94	V
	2544	-58.88	-13	-45.88	-69.85	-65.82	1.44	10.54	V
	3392	-58.57	-13	-45.57	-71.67	-66.71	1.78	12.08	V
									V
									V

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



Part 27H LTE Band 12

LTE Band 12 / 3MHz / 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	1402	-58.23	-13.00	-45.23	-67.24	-62.68	1.15	7.75	H
	2104	-42.66	-13.00	-29.66	-54.08	-49.32	1.38	10.18	H
	2805	-59.66	-13.00	-46.66	-71.14	-66.80	1.45	10.74	H
									H
									H
									H
									H
	1402	-59.18	-13.00	-46.18	-67.62	-63.63	1.15	7.75	V
	2104	-50.95	-13.00	-37.95	-62.63	-57.61	1.38	10.18	V
	2805	-59.22	-13.00	-46.22	-71.11	-66.36	1.45	10.74	V
									V
									V
									V
									V
Middle	1413	-59.59	-13.00	-46.59	-68.52	-64.09	1.15	7.80	H
	2120	-39.48	-13.00	-26.48	-51.14	-46.15	1.38	10.20	H
	2827	-59.33	-13.00	-46.33	-70.84	-66.49	1.45	10.76	H
									H
									H
									H
									H
	1413	-61.05	-13.00	-48.05	-69.45	-65.55	1.15	7.80	V
	2120	-49.50	-13.00	-36.50	-61.47	-56.17	1.38	10.20	V
	2827	-58.58	-13.00	-45.58	-70.51	-65.74	1.45	10.76	V
									V
									V
									V
									V



Highest	1429	-59.30	-13.00	-46.30	-68.14	-63.87	1.16	7.87	H
	2144	-38.33	-13.00	-25.33	-50.36	-45.01	1.38	10.22	H
	2858	-59.12	-13.00	-46.12	-70.68	-66.30	1.45	10.79	H
									H
									H
									H
									H
	1429	-59.29	-13.00	-46.29	-67.64	-63.86	1.16	7.87	V
	2144	-47.46	-13.00	-34.46	-60.15	-54.14	1.38	10.22	V
	2858	-58.60	-13.00	-45.60	-70.59	-65.78	1.45	10.79	V
									V
									V
									V
									V

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



Part 27M LTE Band 38

LTE Band 38 / 15MHz / 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	5136	-63.00	-25	-38.00	-56.26	-72.82	2.30	12.13	H
	7716	-57.82	-25	-32.82	-55.74	-66.48	2.11	10.78	H
	10284	-59.12	-25	-34.12	-61.5	-68.78	2.25	11.91	H
	12852	-42.38	-25	-17.38	-47.16	-52.74	2.52	12.88	H
	15425.5	-49.31	-25	-24.31	-55.45	-62.10	2.43	15.23	H
	17990	-53.99	-25	-28.99	-59.32	-59.78	2.69	8.49	H
									H
	5136	-62.30	-25	-37.30	-56.17	-72.12	2.30	12.13	V
	7716	-53.46	-25	-28.46	-51.43	-62.12	2.11	10.78	V
	10284	-56.73	-25	-31.73	-58.73	-66.39	2.25	11.91	V
	12852	-34.18	-25	-9.18	-38.16	-44.54	2.52	12.88	V
	15425.5	-50.83	-25	-25.83	-57.19	-63.62	2.43	15.23	V
	17990	-41.43	-25	-16.43	-52.78	-47.22	2.69	8.49	V
									V
Middle	5172	-61.87	-25	-36.87	-55.26	-71.71	2.29	12.13	H
	7764	-59.57	-25	-34.57	-57.58	-68.41	2.11	10.95	H
	10356	-59.53	-25	-34.53	-62.02	-69.11	2.36	11.94	H
	12936	-43.34	-25	-18.34	-48.16	-53.60	2.52	12.78	H
	15529	-54.06	-25	-29.06	-60.31	-67.36	2.40	15.70	H
									H
									H
	5172	-57.71	-25	-32.71	-51.66	-67.55	2.29	12.13	V
	7764	-56.40	-25	-31.40	-54.47	-65.24	2.11	10.95	V
	10356	-56.78	-25	-31.78	-59.03	-66.36	2.36	11.94	V
	12936	-35.53	-25	-10.53	-39.67	-45.79	2.52	12.78	V
	15529	-52.09	-25	-27.09	-58.21	-65.39	2.40	15.70	V
									V
									V



Highest	5208	-62.48	-25	-37.48	-55.99	-72.35	2.27	12.14	H
	7812	-57.98	-25	-32.98	-56.12	-66.99	2.11	11.12	H
	10428	-58.01	-25	-33.01	-60.61	-67.50	2.48	11.97	H
	13032	-40.67	-25	-15.67	-45.58	-50.86	2.51	12.70	H
	15632.5	-52.20	-25	-27.20	-58.42	-65.81	2.43	16.05	H
									H
									H
	5208	-59.45	-25	-34.45	-53.51	-69.32	2.27	12.14	V
	7812	-54.65	-25	-29.65	-52.84	-63.66	2.11	11.12	V
	10428	-55.89	-25	-30.89	-58.38	-65.38	2.48	11.97	V
	13032	-33.88	-25	-8.88	-38.17	-44.07	2.51	12.70	V
	15632.5	-49.91	-25	-24.91	-56	-63.52	2.43	16.05	V
									V
									V

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



Part 27M LTE Band 41 (HPUE)

LTE Band 41 / 15MHz / 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	5016	-65.50	-25	-40.50	-58.36	-75.25	2.35	12.10	H
	7536	-57.82	-25	-32.82	-55.9	-65.83	2.11	10.13	H
	12552	-47.23	-25	-22.23	-51.81	-57.92	2.55	13.24	H
	15057.5	-54.43	-25	-29.43	-59.96	-65.18	2.64	13.39	H
	17576	-46.33	-25	-21.33	-53.89	-56.00	2.38	12.05	H
									H
									H
	5016	-60.57	-25	-35.57	-54.05	-70.32	2.35	12.10	V
	7536	-56.56	-25	-31.56	-54.56	-64.57	2.11	10.13	V
	12552	-42.00	-25	-17.00	-45.47	-52.69	2.55	13.24	V
	15057.5	-49.98	-25	-24.98	-57.51	-60.73	2.64	13.39	V
	17576	-37.40	-25	-12.40	-46.85	-47.07	2.38	12.05	V
									V
									V
Middle	5196	-64.21	-25	-39.21	-57.68	-74.07	2.28	12.14	H
	7800	-59.17	-25	-34.17	-57.25	-68.14	2.11	11.08	H
	10404	-58.90	-25	-33.90	-61.46	-68.42	2.44	11.96	H
	12996	-42.80	-25	-17.80	-47.66	-52.99	2.51	12.70	H
	15598	-50.48	-25	-25.48	-56.72	-63.99	2.42	15.93	H
									H
									H
	5196	-58.60	-25	-33.60	-52.62	-68.46	2.28	12.14	V
	7800	-56.48	-25	-31.48	-54.63	-65.45	2.11	11.08	V
	10404	-57.36	-25	-32.36	-59.77	-66.88	2.44	11.96	V
	12996	-35.67	-25	-10.67	-39.89	-45.86	2.51	12.70	V
	15598	-47.49	-25	-22.49	-53.6	-61.00	2.42	15.93	V
									V
									V



Highest	5376	-58.78	-25	-33.78	-52.87	-68.75	2.21	12.18	H
	8064	-55.66	-25	-30.66	-54.76	-65.45	2.11	11.90	H
	10752	-58.77	-25	-33.77	-61.87	-67.79	2.63	11.65	H
	13452	-38.20	-25	-13.20	-43.5	-48.36	2.54	12.70	H
	16138.5	-39.83	-25	-14.83	-46.35	-54.42	2.57	17.16	H
									H
									H
	5376	-49.99	-25	-24.99	-44.58	-59.96	2.21	12.18	V
	8064	-53.85	-25	-28.85	-52.7	-63.64	2.11	11.90	V
	10752	-54.30	-25	-29.30	-57.44	-63.32	2.63	11.65	V
	13452	-31.49	-25	-6.49	-36.45	-41.65	2.54	12.70	V
	16138.5	-37.48	-25	-12.48	-43.95	-52.07	2.57	17.16	V
									V
									V

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