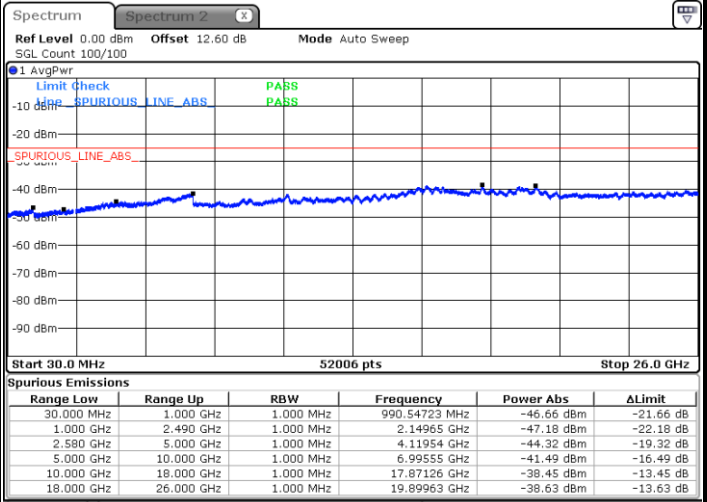
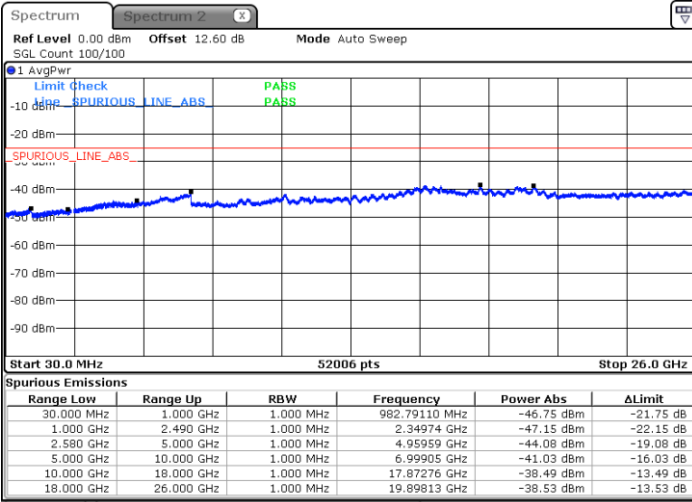




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

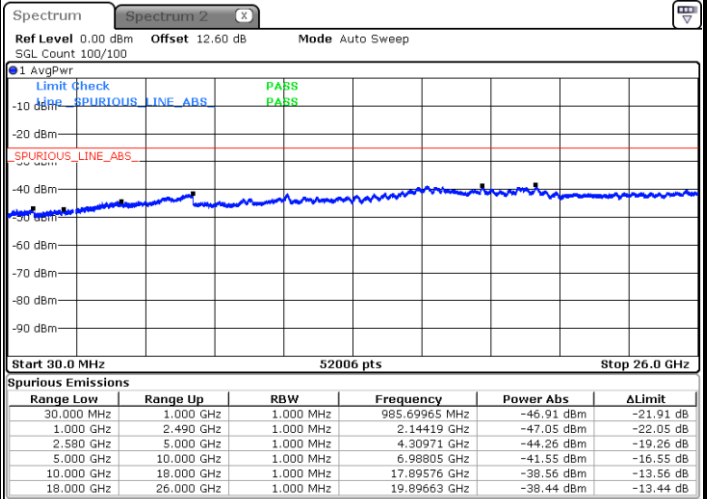
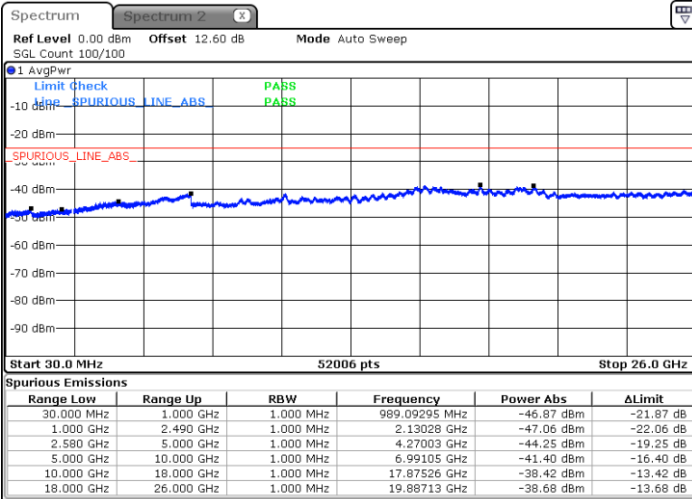


Date: 21 AUG 2020 09:55:59

Date: 21 AUG 2020 09:56:49

Highest Channel / QPSK

Highest Channel / 16QAM



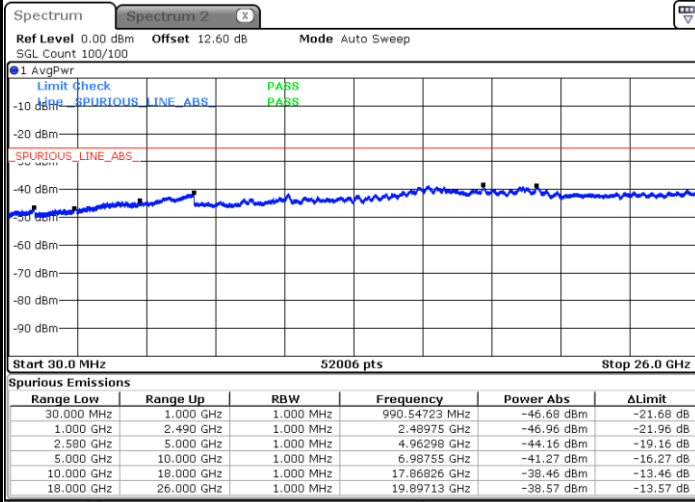
Date: 21 AUG 2020 10:03:16

Date: 21 AUG 2020 10:04:06



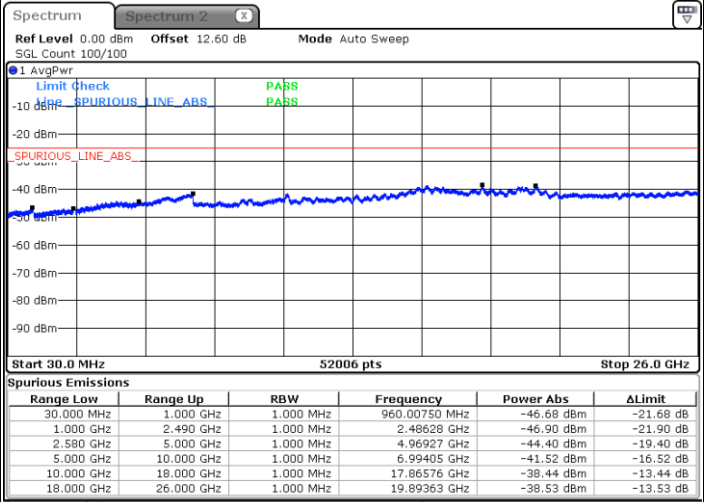
LTE Band 7 / 15MHz

Lowest Channel / QPSK



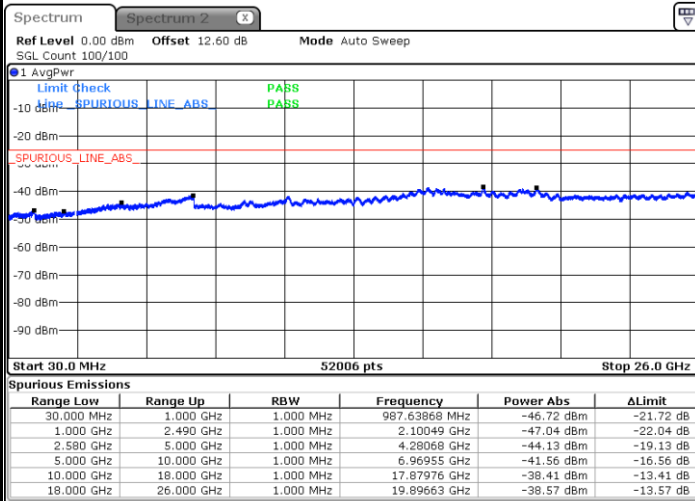
Date: 21 AUG.2020 10:19:06

Lowest Channel / 16QAM



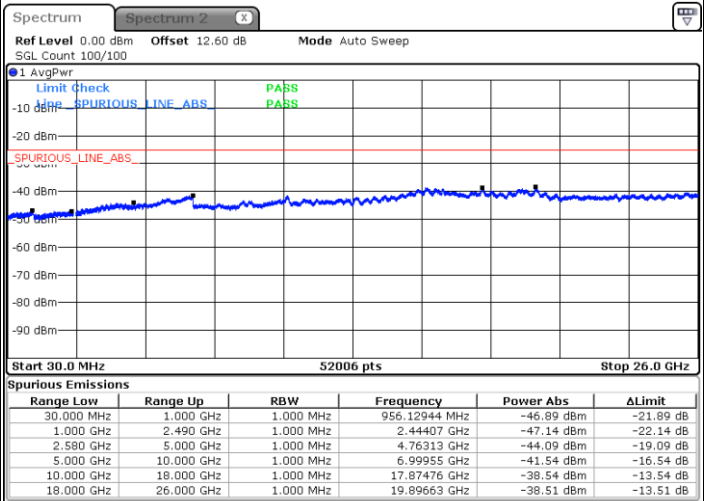
Date: 21 AUG.2020 10:19:57

Middle Channel / QPSK



Date: 21 AUG.2020 10:21:35

Middle Channel / 16QAM

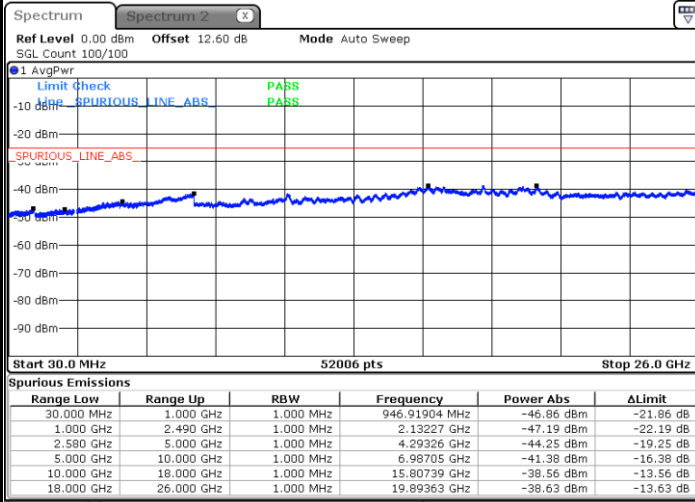


Date: 21 AUG.2020 10:22:25



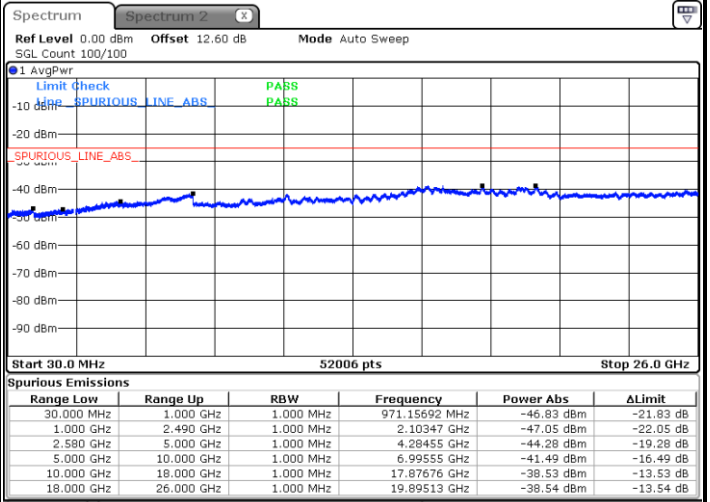
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 21 AUG 2020 10:28:52

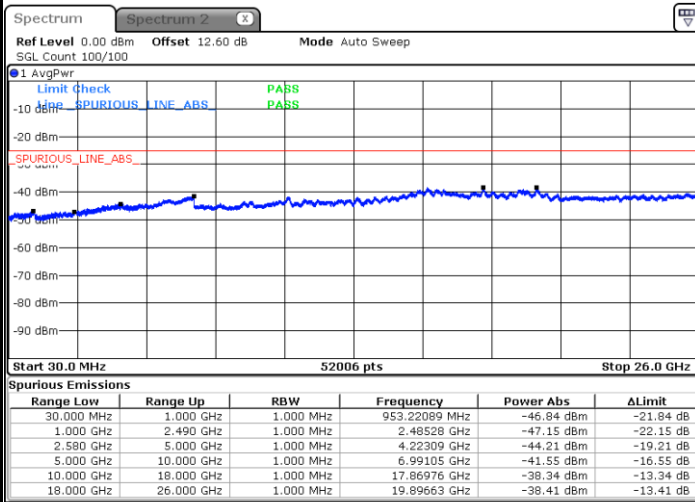
Highest Channel / 16QAM



Date: 21 AUG 2020 10:29:43

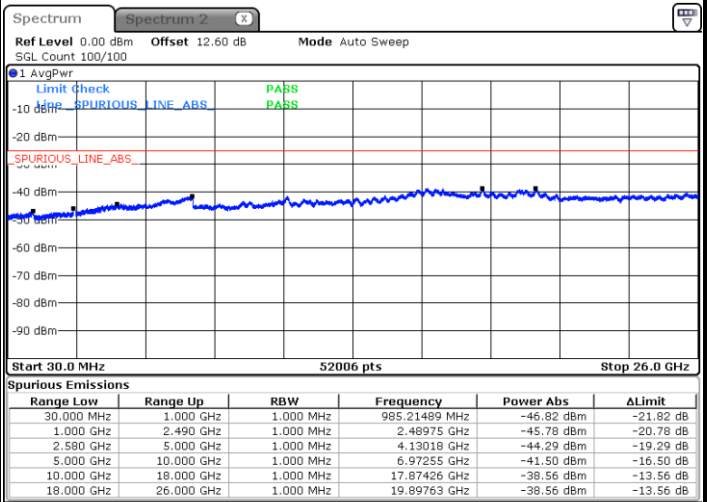
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 21 AUG 2020 10:44:43

Lowest Channel / 16QAM



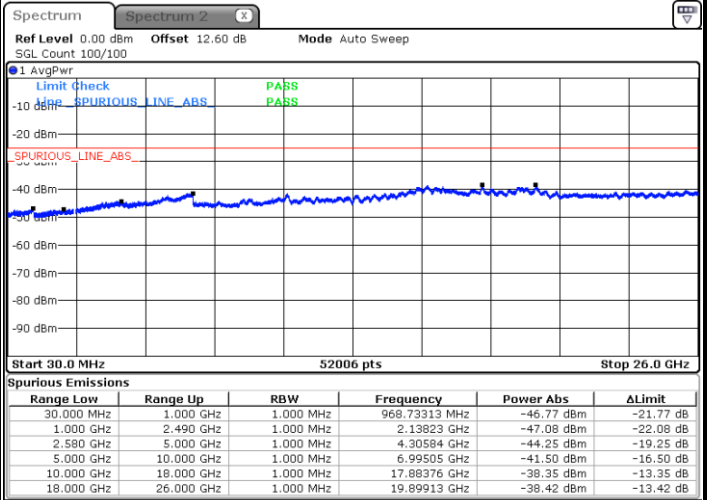
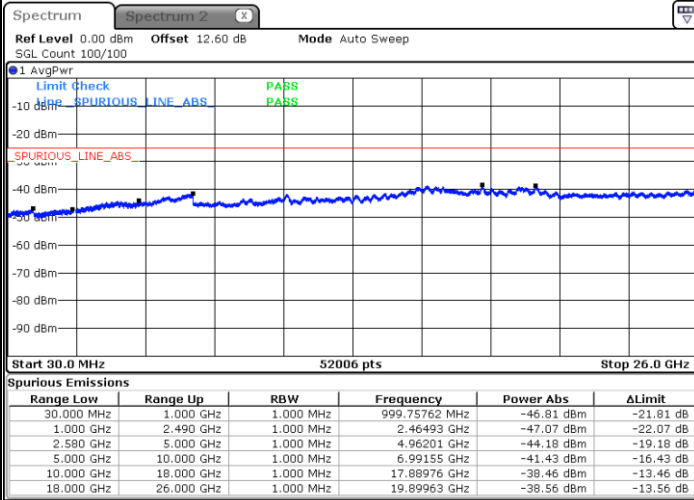
Date: 21 AUG 2020 10:45:34



LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

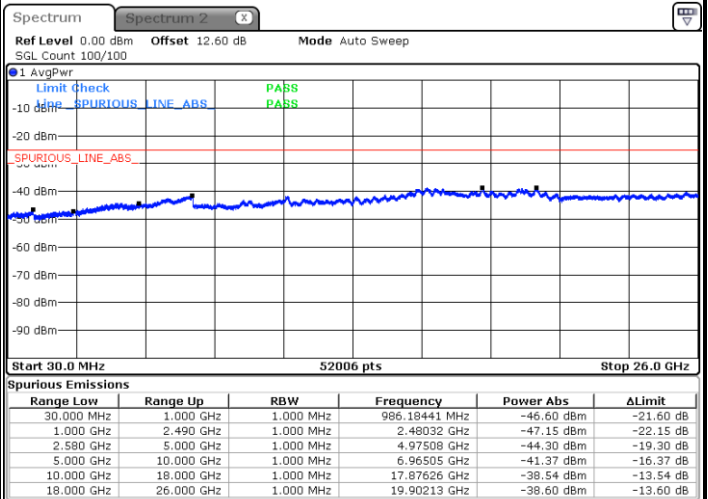
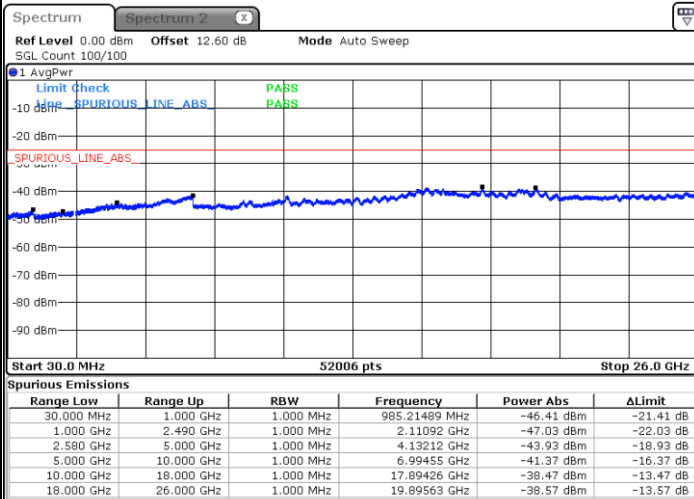


Date: 21 AUG 2020 10:47:12

Date: 21 AUG 2020 10:48:03

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 21 AUG 2020 10:54:29

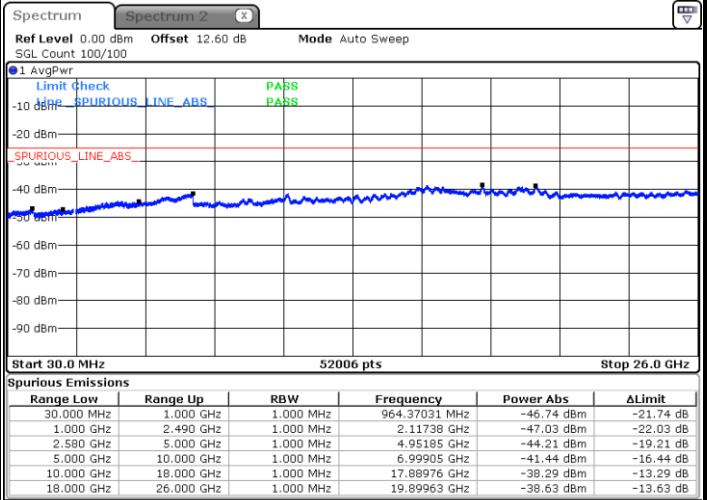
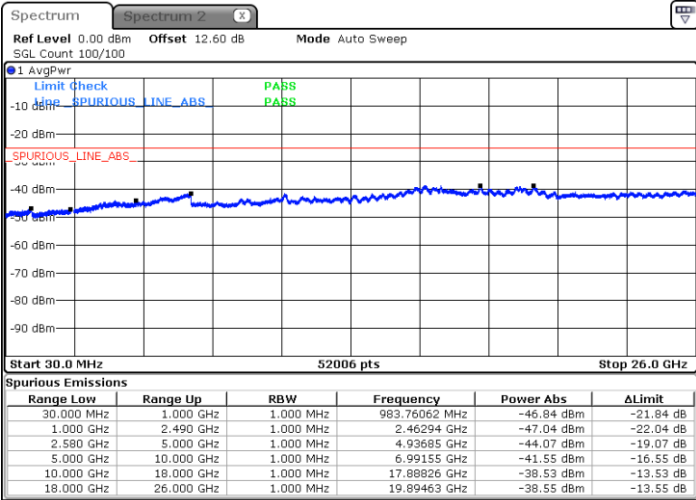
Date: 21 AUG 2020 10:55:20



LTE Band 7 / 5MHz

Lowest Channel / 64QAM

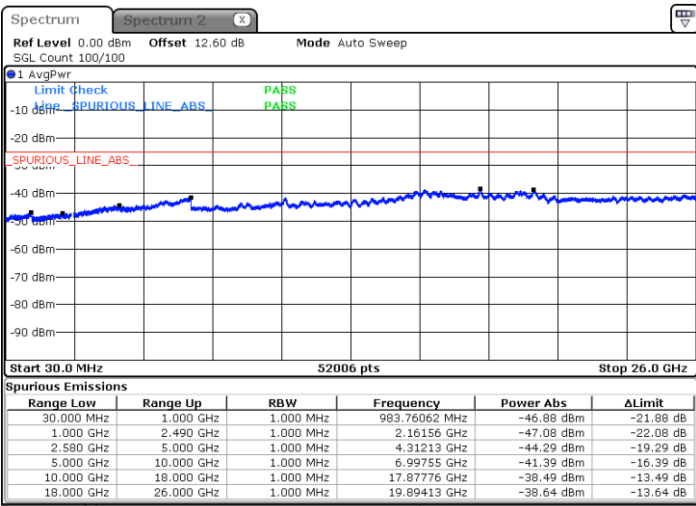
Middle Channel / 64QAM



Date: 21 AUG.2020 09:42:12

Date: 21 AUG.2020 09:43:26

Highest Channel / 64QAM



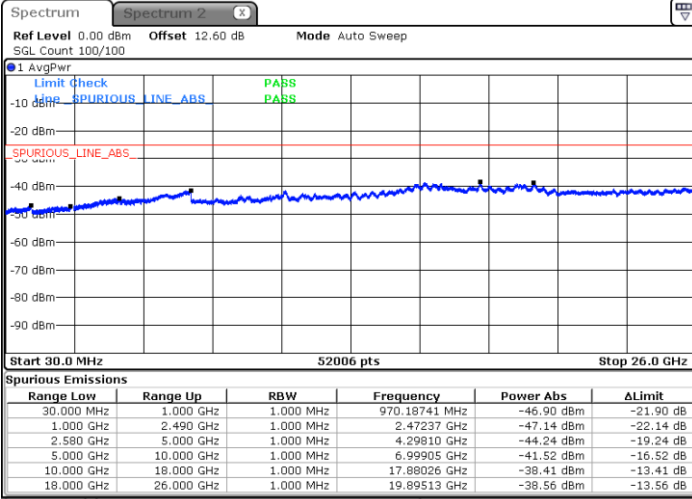
Date: 21 AUG.2020 09:47:04



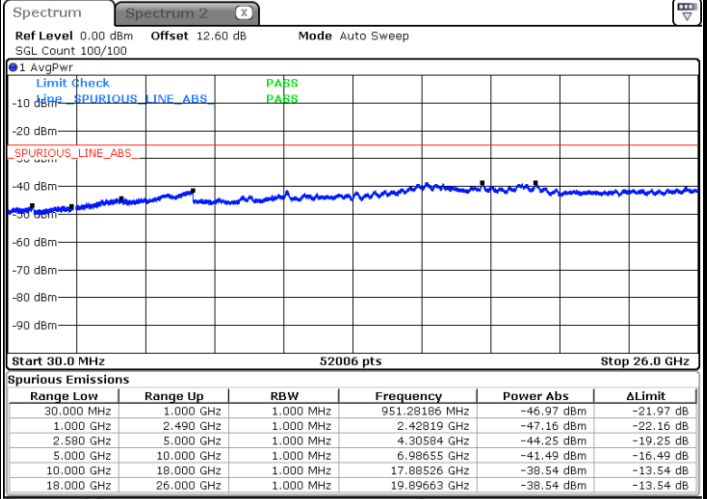
LTE Band 7 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

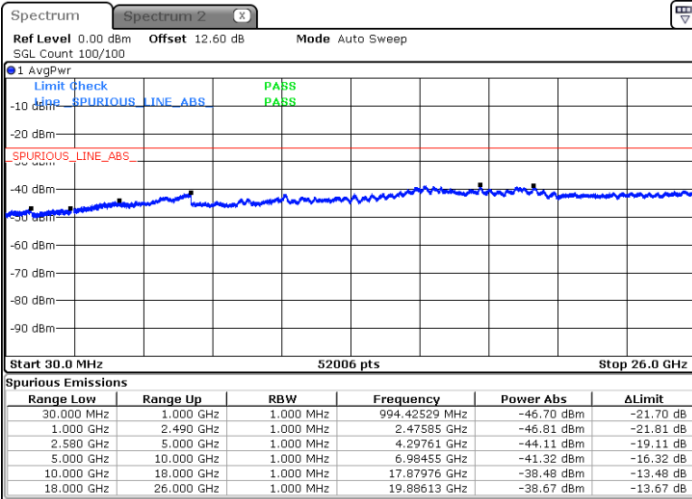


Date: 21 AUG 2020 10:07:45



Date: 21 AUG 2020 10:08:59

Highest Channel / 64QAM



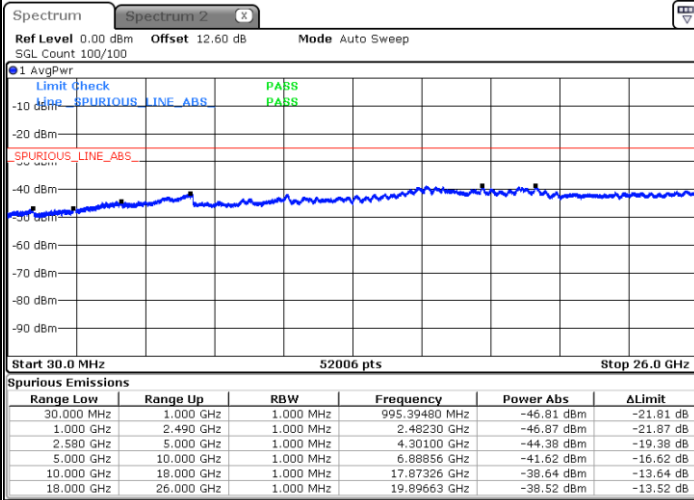
Date: 21 AUG 2020 10:12:38



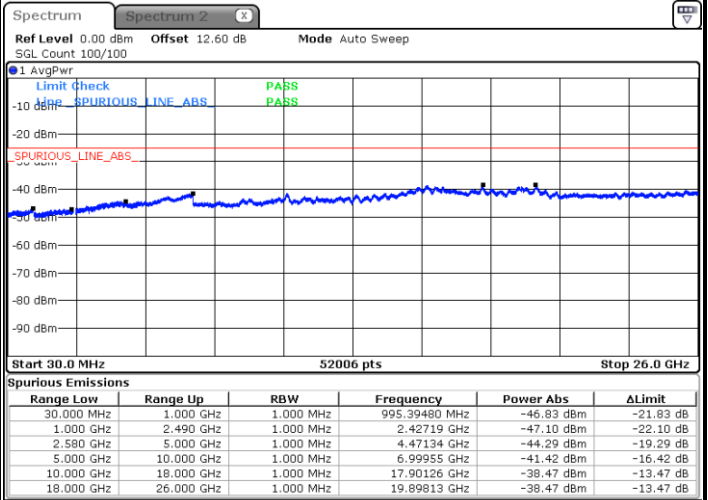
LTE Band 7 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

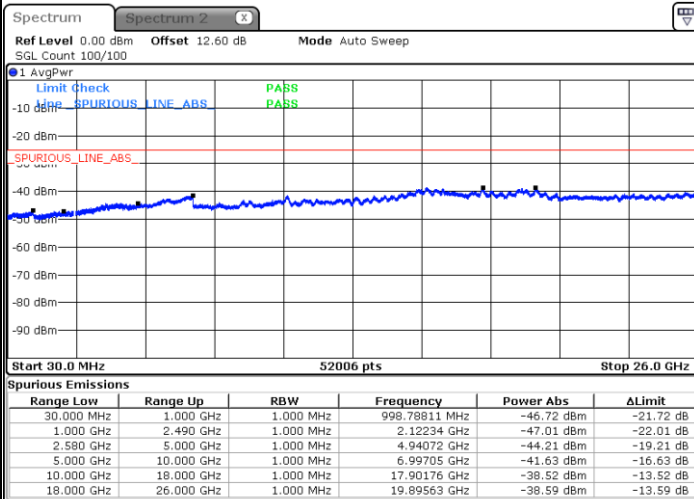


Date: 21 AUG.2020 10:33:22



Date: 21 AUG.2020 10:34:36

Highest Channel / 64QAM



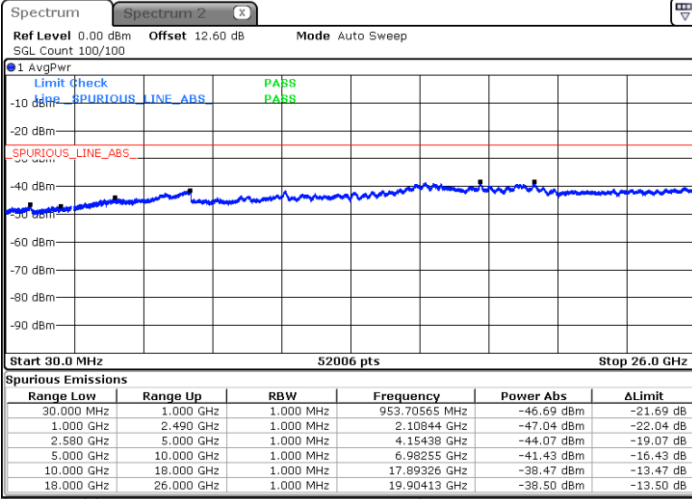
Date: 21 AUG.2020 10:38:14



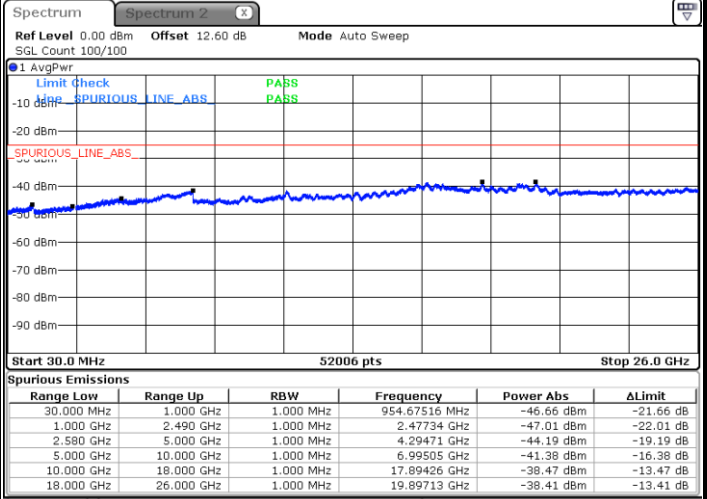
LTE Band 7 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

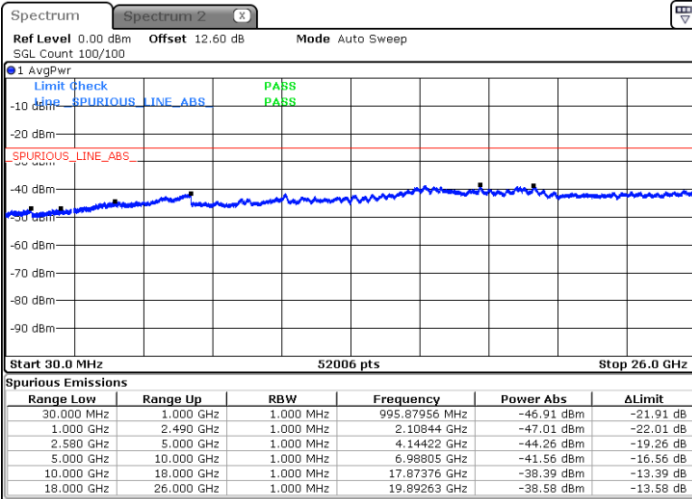


Date: 21 AUG 2020 10:59:00



Date: 21 AUG 2020 11:00:14

Highest Channel / 64QAM



Date: 21 AUG 2020 11:03:52



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0066	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0068	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0047	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0059	

Note:

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



LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	2.41	4.78	3.28	5.59	
Highest CH	-	-	-	-	
Mode	LTE Band 13 / 10MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	-	-	-	-	PASS
Middle CH	3.71	6.09	-	-	
Highest CH	-	-	-	-	



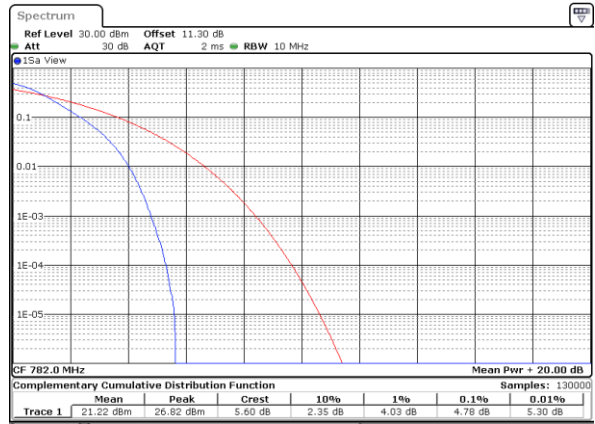
LTE Band 13 / 10MHz / QPSK

Middle Channel / 1RB



Date: 21 AUG 2020 02:05:00

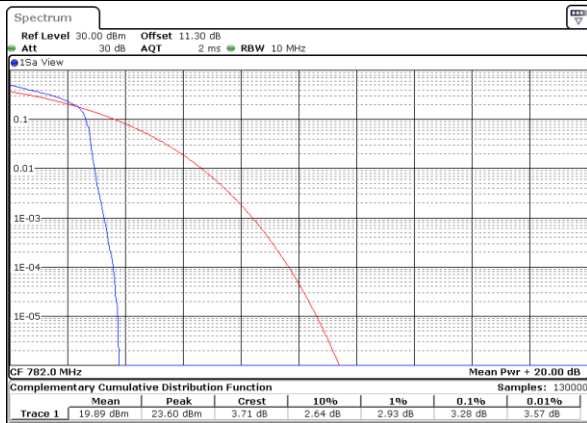
Middle Channel / Full RB



Date: 21 AUG 2020 02:05:10

LTE Band 13 / 10MHz / 16QAM

Middle Channel / 1RB



Date: 21 AUG 2020 02:04:39

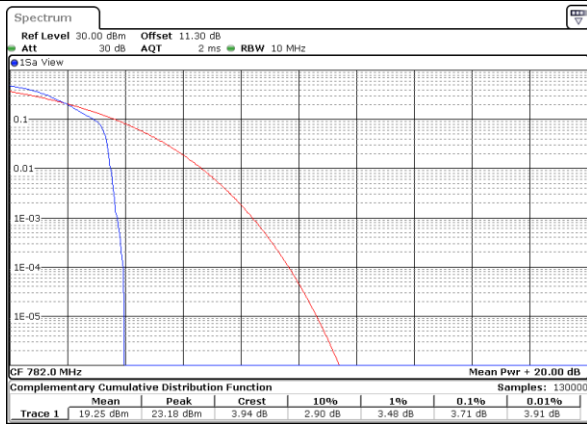
Middle Channel / Full RB



Date: 21 AUG 2020 02:04:49

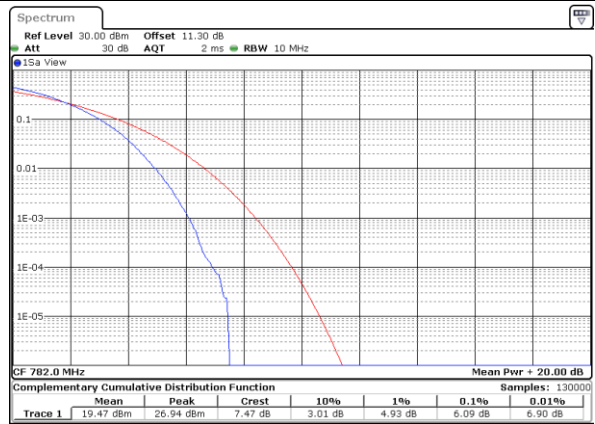
LTE Band 13 / 10MHz / 64QAM

Middle Channel / 1RB



Date: 21 AUG 2020 02:04:17

Middle Channel / Full RB



Date: 21 AUG 2020 02:04:28



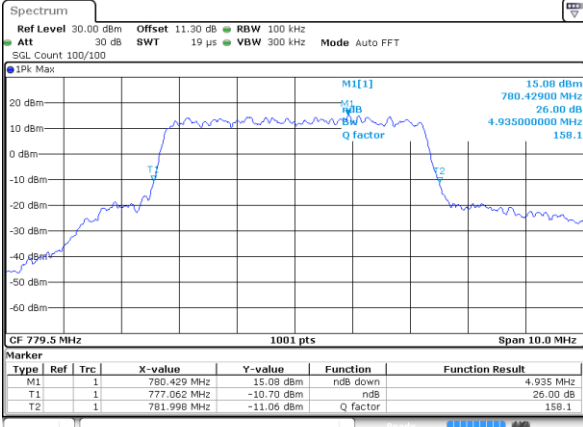
26dB Bandwidth

Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.94	4.85	-	-	-	-	-	-
Middle CH	-	-	-	-	4.94	4.83	9.75	9.99	-	-	-	-
Highest CH	-	-	-	-	4.86	4.92	-	-	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.90	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.92	-	9.71	-	-	-	-	-
Highest CH	-	-	-	-	4.94	-	-	-	-	-	-	-



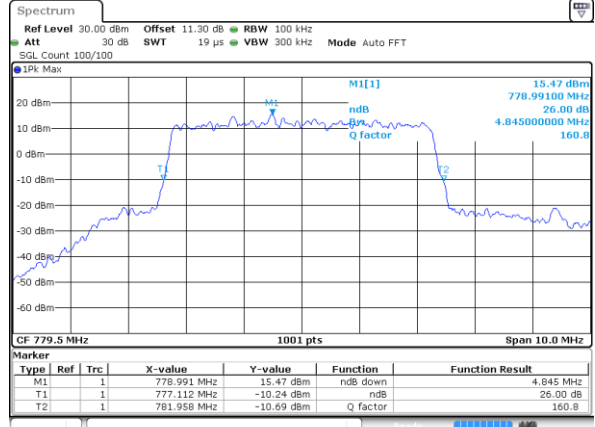
LTE Band 13

Lowest Channel / 5MHz / QPSK



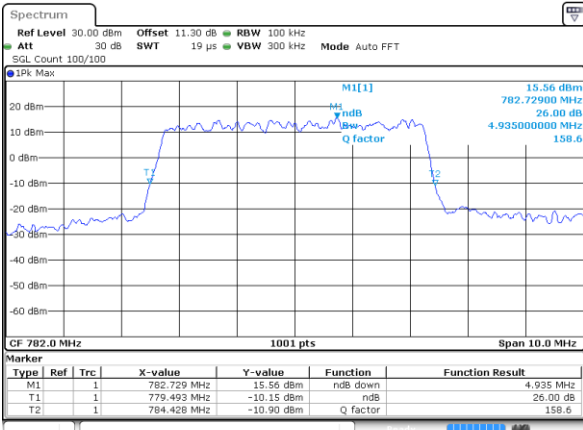
Date: 21 AUG 2020 01:08:15

Lowest Channel / 5MHz / 16QAM



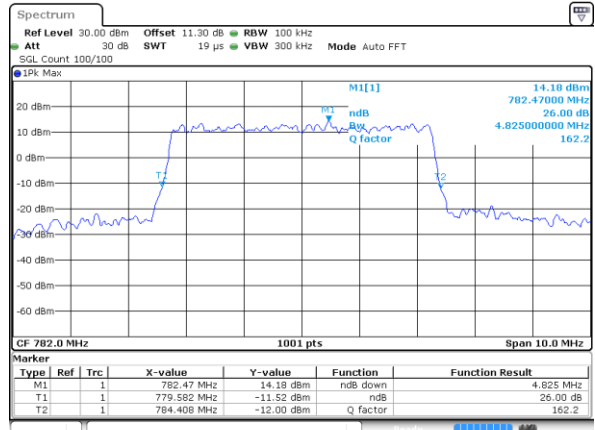
Date: 21 AUG 2020 01:08:03

Middle Channel / 5MHz / QPSK



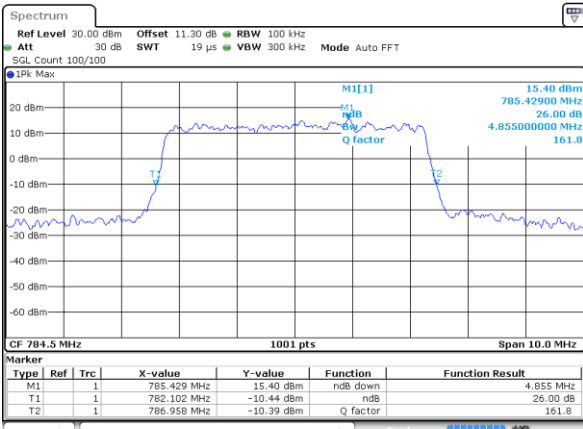
Date: 21 AUG 2020 01:17:51

Middle Channel / 5MHz / 16QAM



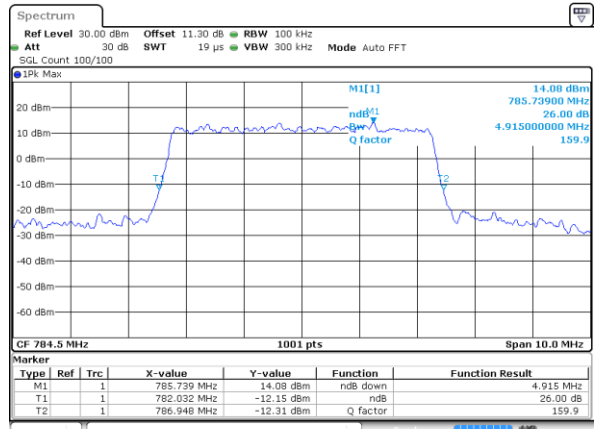
Date: 21 AUG 2020 01:18:03

Highest Channel / 5MHz / QPSK



Date: 21 AUG 2020 01:19:14

Highest Channel / 5MHz / 16QAM



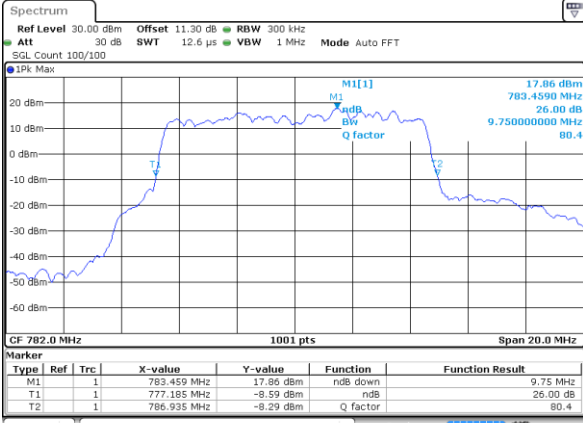
Date: 21 AUG 2020 01:19:02



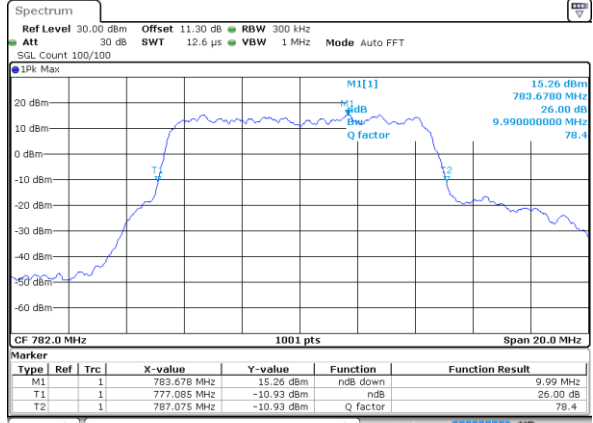
LTE Band 13

Middle Channel / 10MHz / QPSK

Middle Channel / 10MHz / 16QAM



Date: 21 AUG 2020 01:38:00

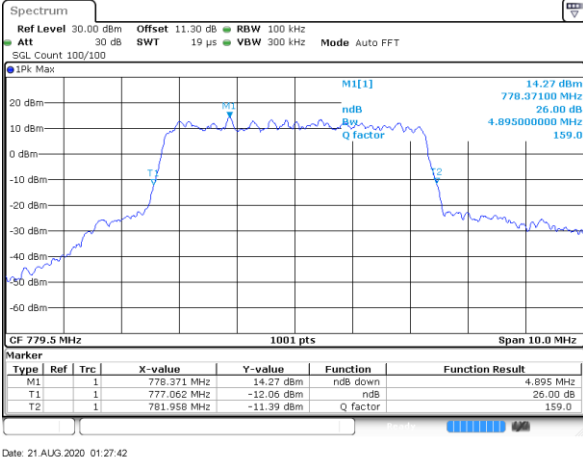


Date: 21 AUG 2020 01:37:49



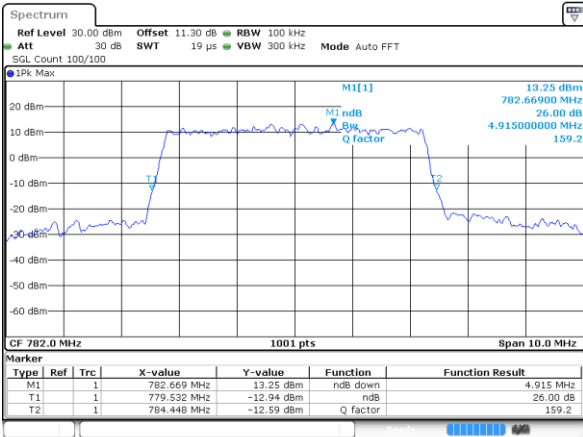
LTE Band 13

Lowest Channel / 5MHz / 64QAM



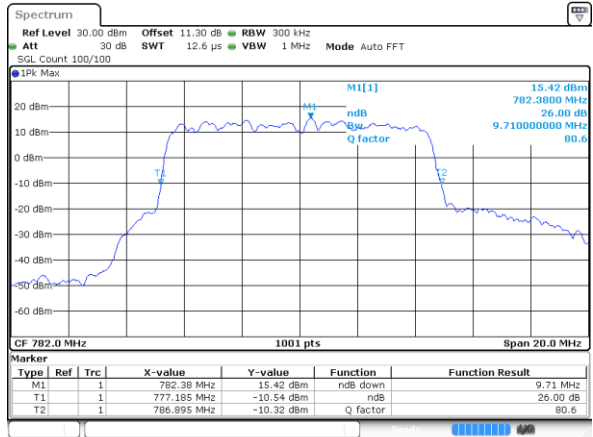
Date: 21 AUG 2020 01:27:42

Middle Channel / 5MHz / 64QAM



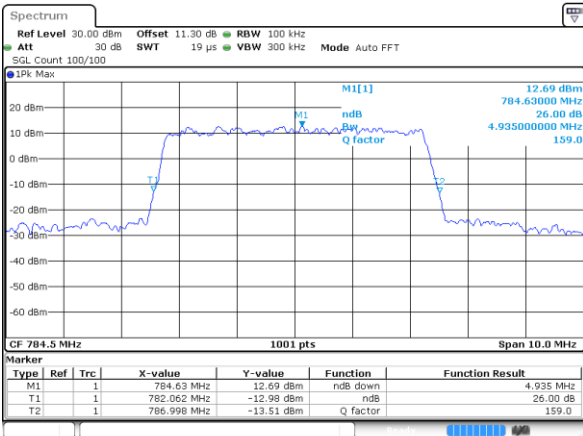
Date: 21 AUG 2020 01:32:35

Middle Channel / 10MHz / 64QAM



Date: 21 AUG 2020 01:49:44

Highest Channel / 5MHz / 64QAM



Date: 21 AUG 2020 01:33:11



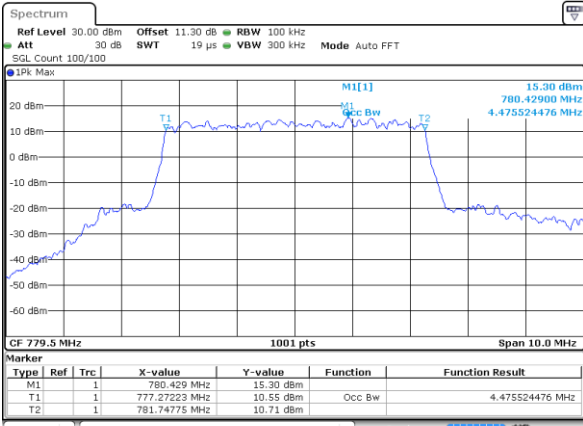
Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.48	-	-	-	-	-	-
Middle CH	-	-	-	-	4.49	4.48	8.99	9.01	-	-	-	-
Highest CH	-	-	-	-	4.51	4.49	-	-	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.49	-	-	-	-	-	-	-
Middle CH	-	-	-	-	4.48	-	8.97	-	-	-	-	-
Highest CH	-	-	-	-	4.48	-	-	-	-	-	-	-



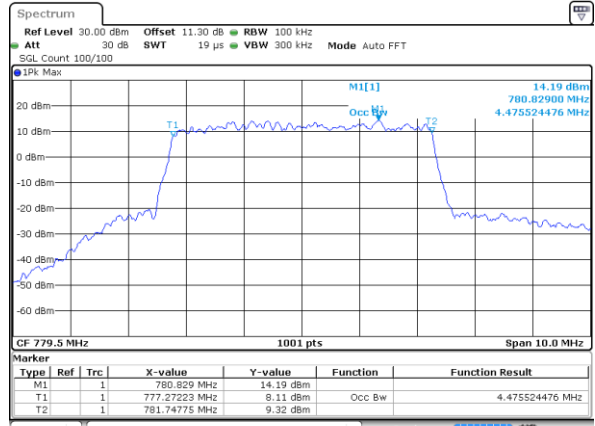
LTE Band 13

Lowest Channel / 5MHz / QPSK



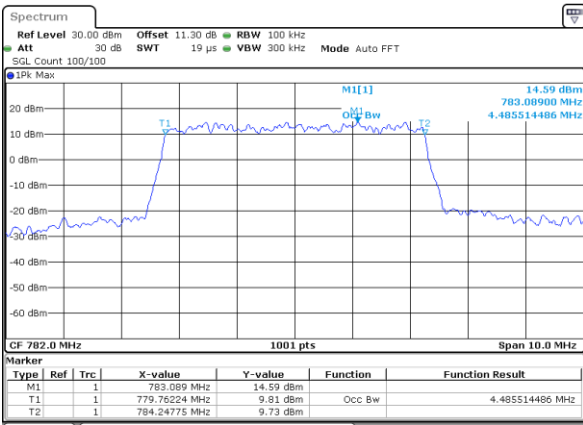
Date: 21 AUG 2020 01:07:39

Lowest Channel / 5MHz / 16QAM



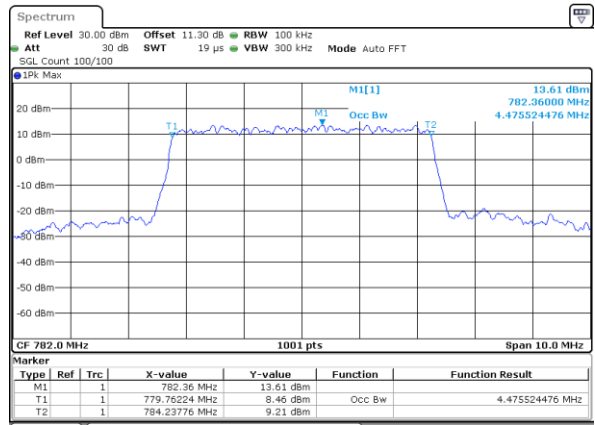
Date: 21 AUG 2020 01:07:51

Middle Channel / 5MHz / QPSK



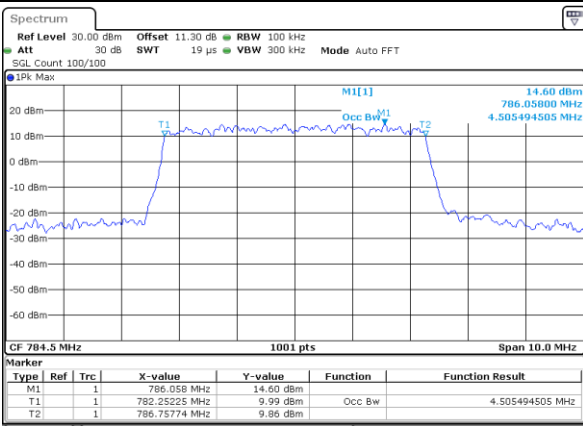
Date: 21 AUG 2020 01:18:26

Middle Channel / 5MHz / 16QAM



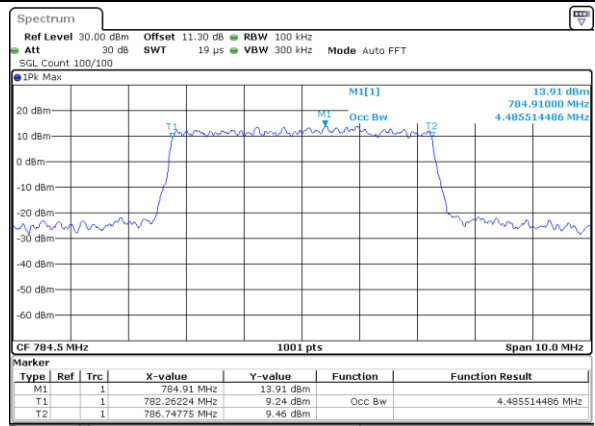
Date: 21 AUG 2020 01:18:14

Highest Channel / 5MHz / QPSK



Date: 21 AUG 2020 01:18:38

Highest Channel / 5MHz / 16QAM

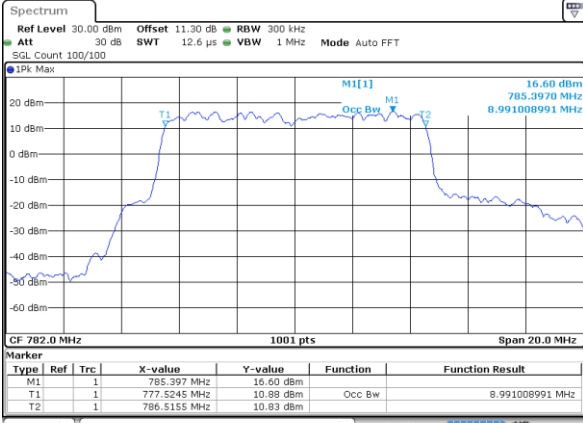


Date: 21 AUG 2020 01:18:50



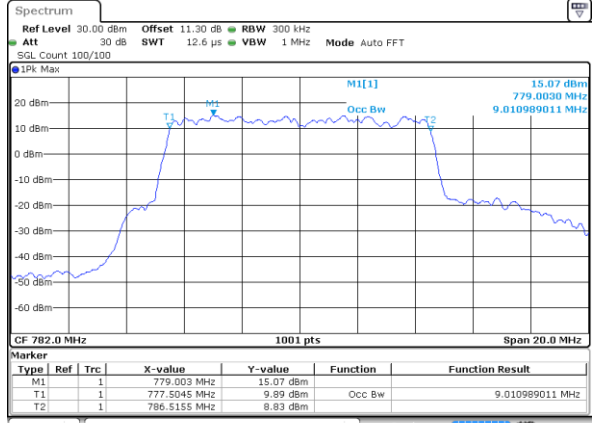
LTE Band 13

Middle Channel / 10MHz / QPSK



Date: 21 AUG 2020 01:37:25

Middle Channel / 10MHz / 16QAM

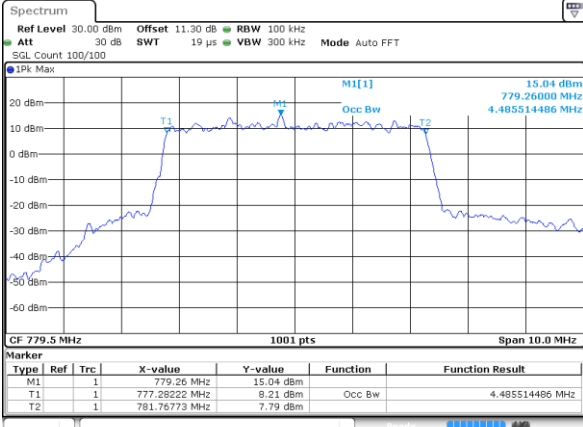


Date: 21 AUG 2020 01:37:37



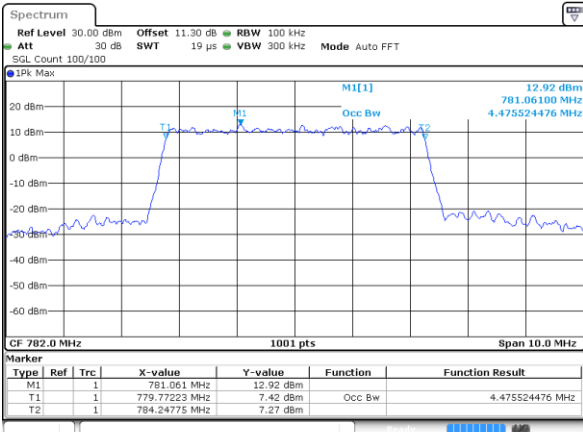
LTE Band 13

Lowest Channel / 5MHz / 64QAM



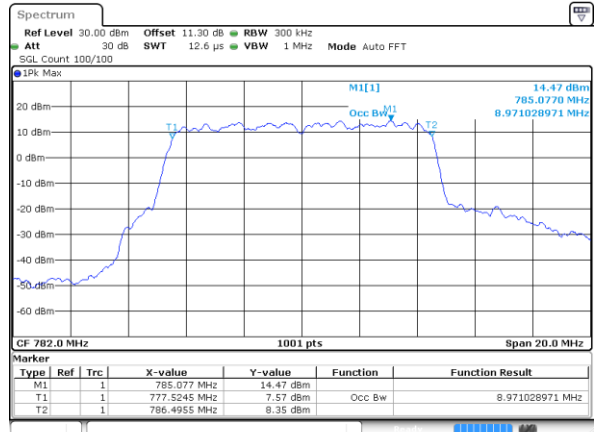
Date: 21 AUG 2020 01:27:30

Middle Channel / 5MHz / 64QAM



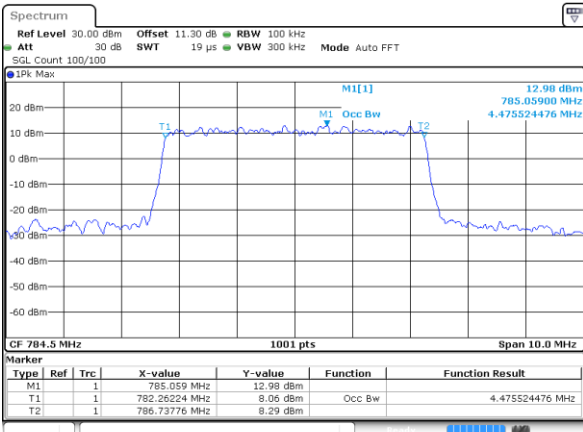
Date: 21 AUG 2020 01:32:47

Middle Channel / 10MHz / 64QAM



Date: 21 AUG 2020 01:49:33

Highest Channel / 5MHz / 64QAM



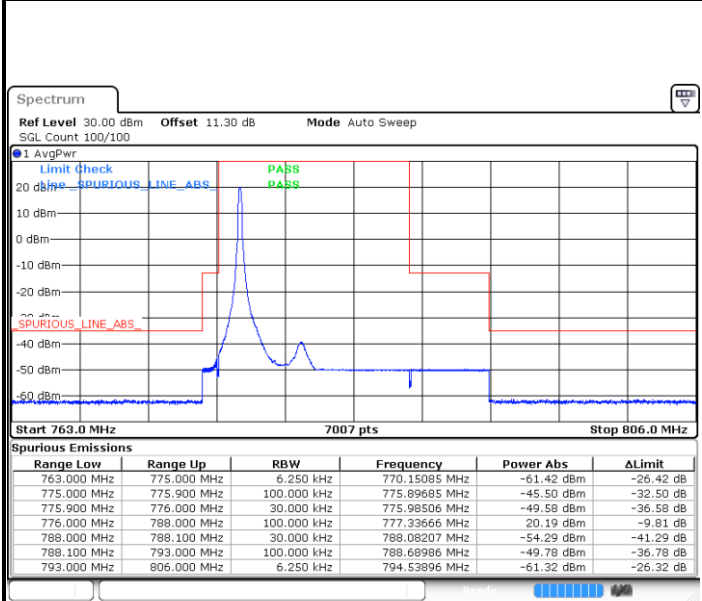
Date: 21 AUG 2020 01:32:58



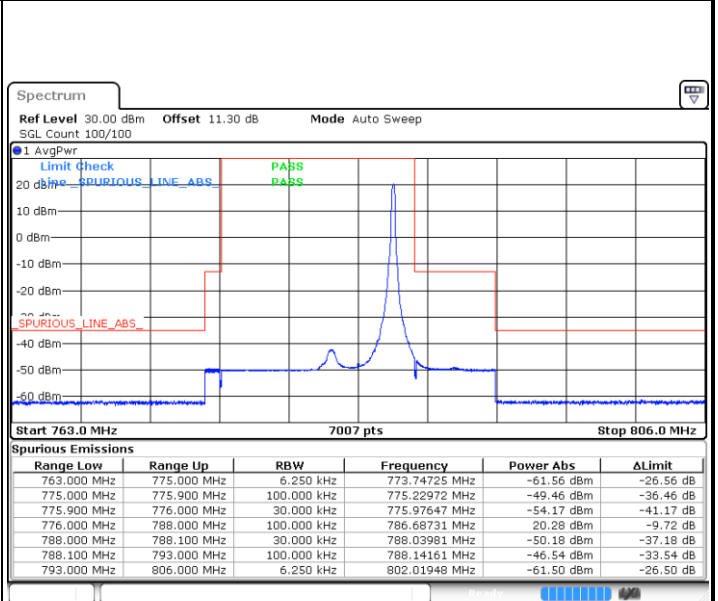
Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

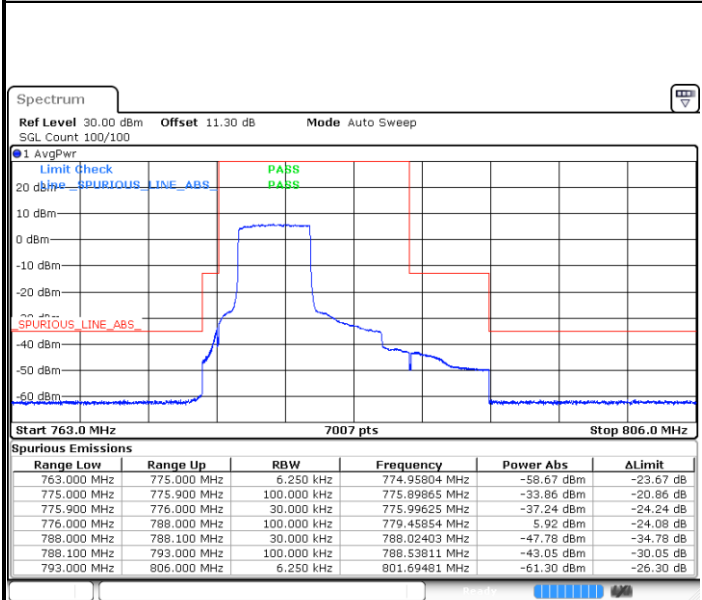
Lowest Band Edge / 1 RB



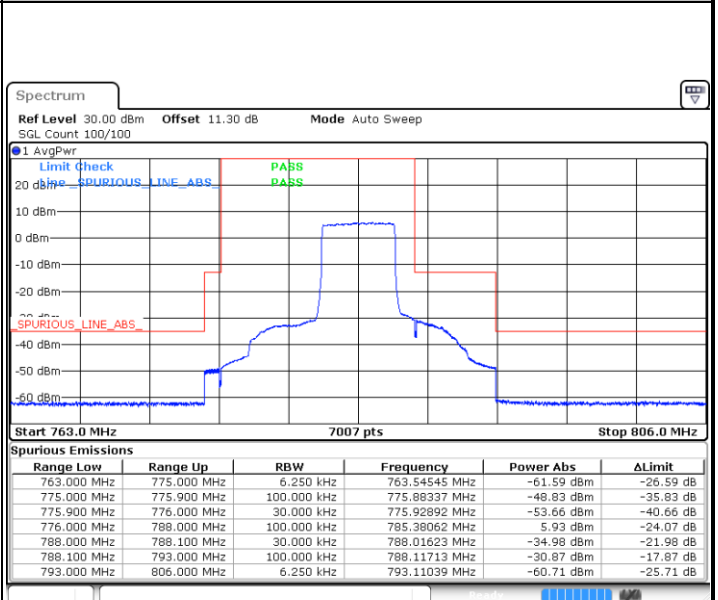
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

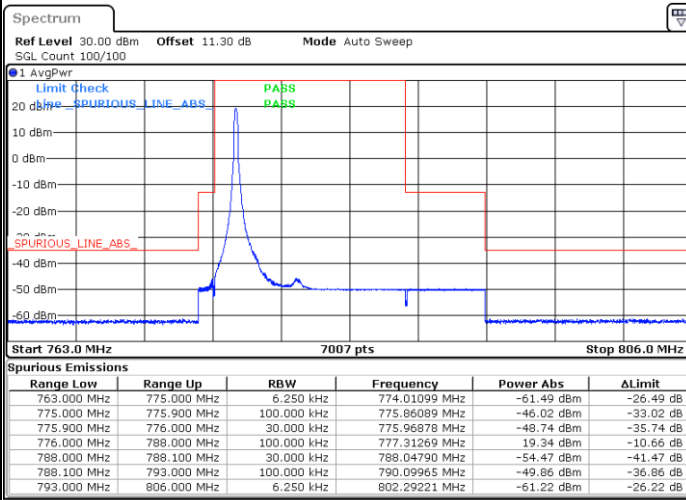




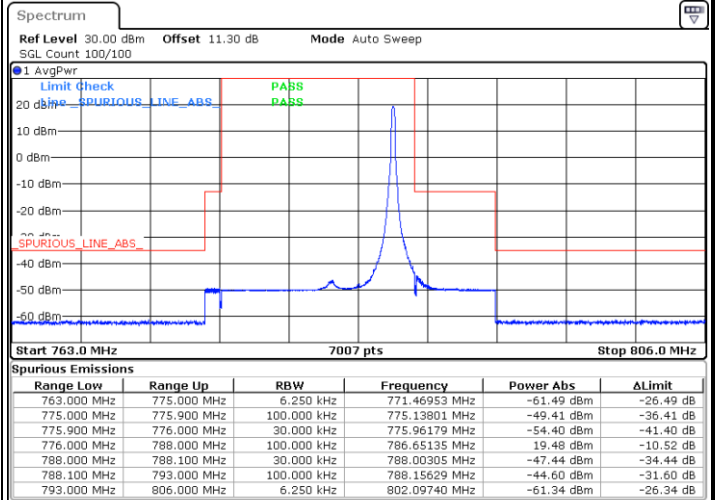
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



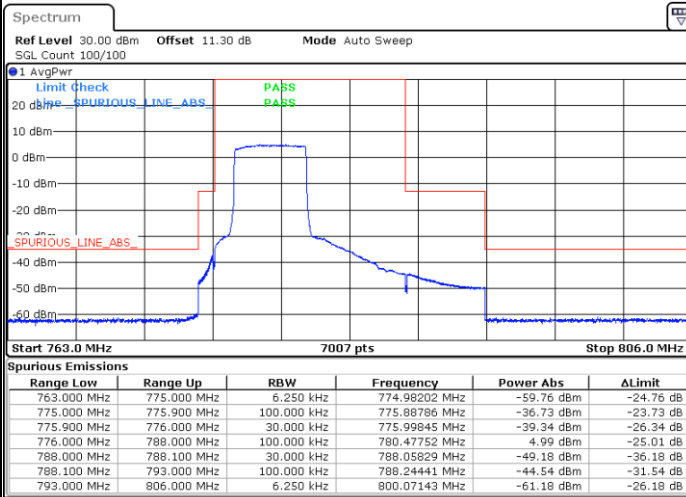
Date: 21 AUG 2020 01:13:17



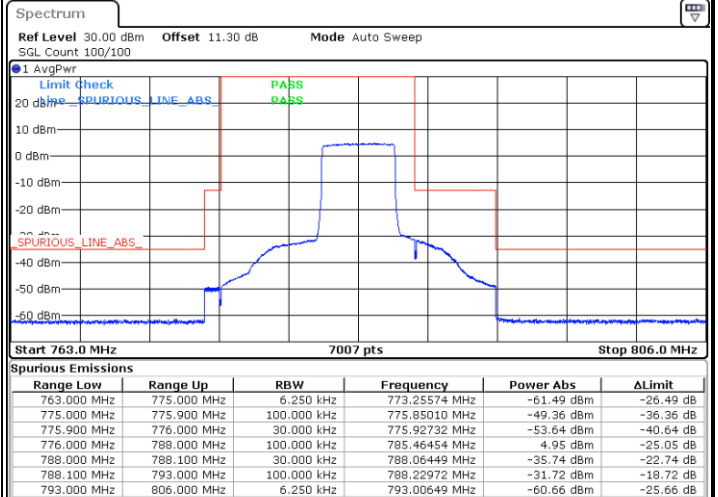
Date: 21 AUG 2020 01:24:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 AUG 2020 01:11:36



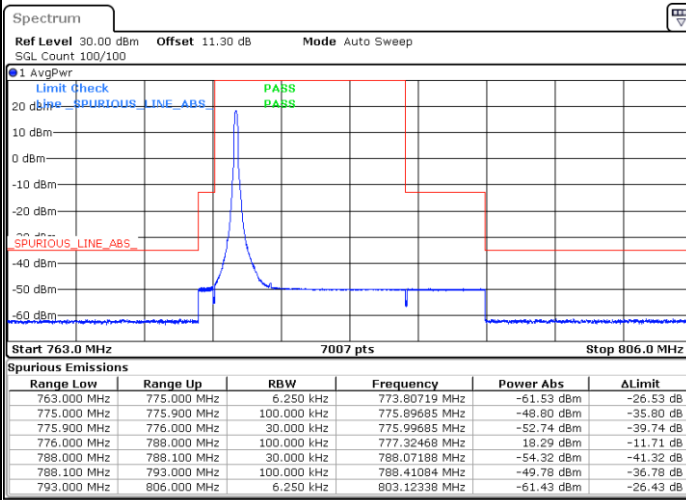
Date: 21 AUG 2020 01:22:35



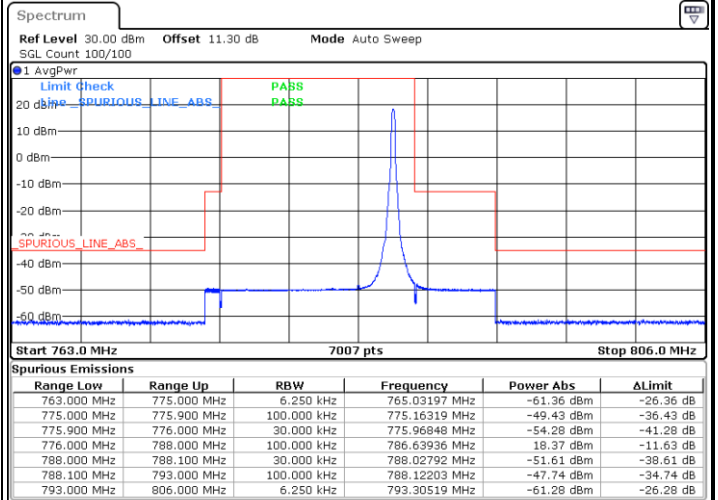
LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



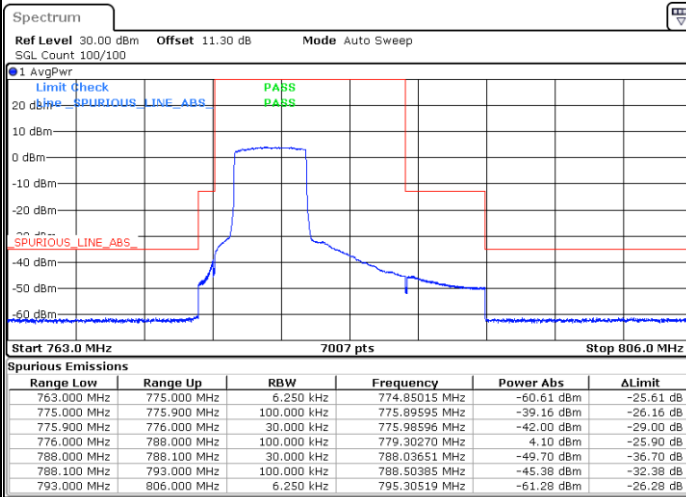
Date: 21 AUG 2020 01:31:03



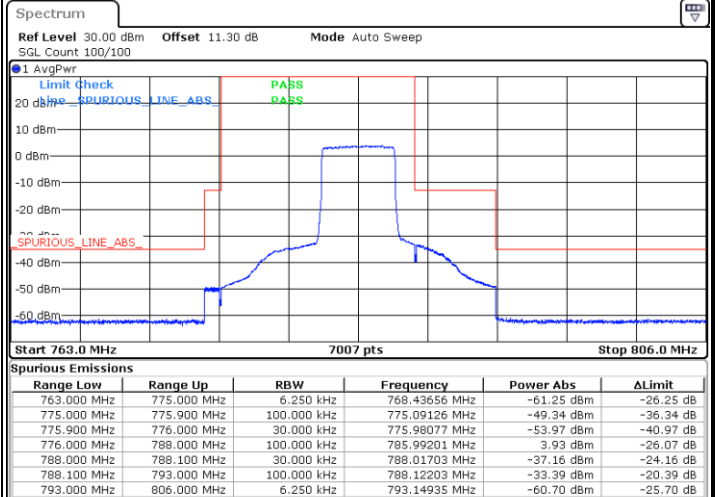
Date: 21 AUG 2020 01:36:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 21 AUG 2020 01:29:22



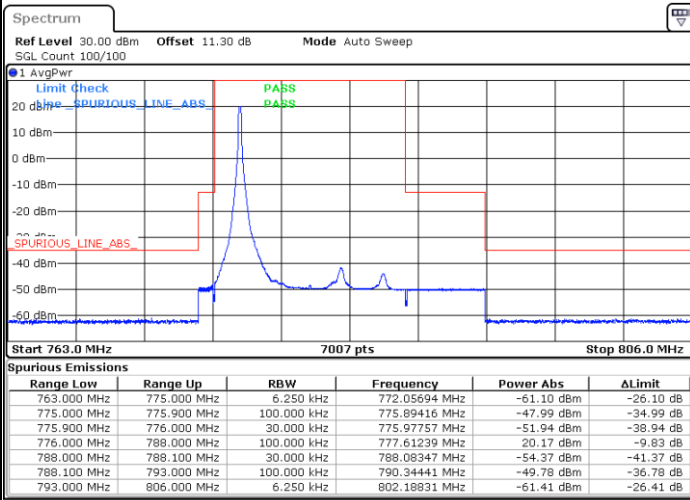
Date: 21 AUG 2020 01:34:51



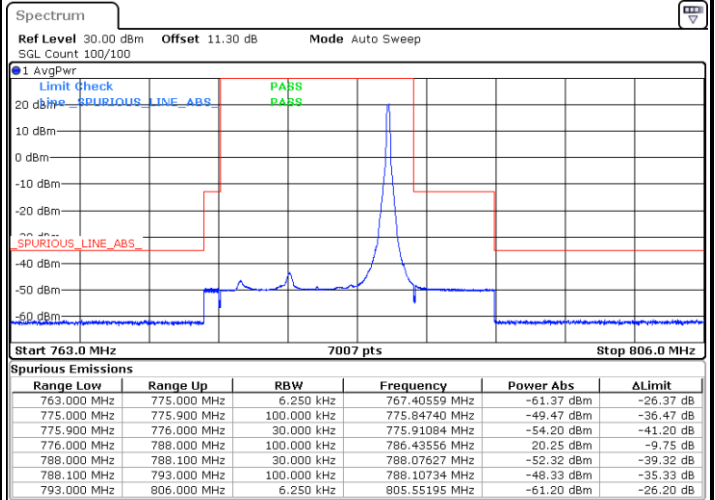
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

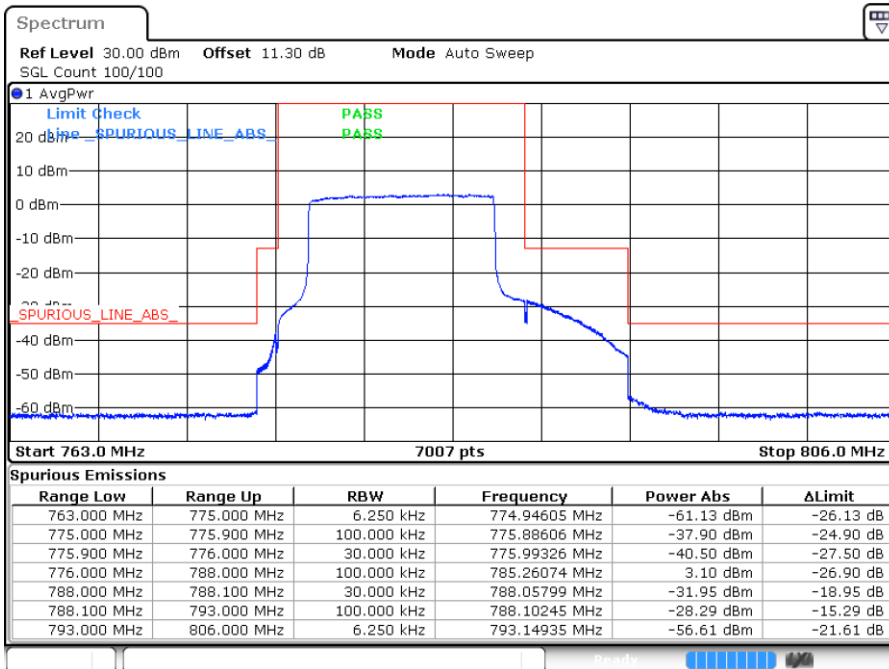


Date: 21 AUG 2020 01:44:40



Date: 21 AUG 2020 01:46:20

Band Edge / Full RB

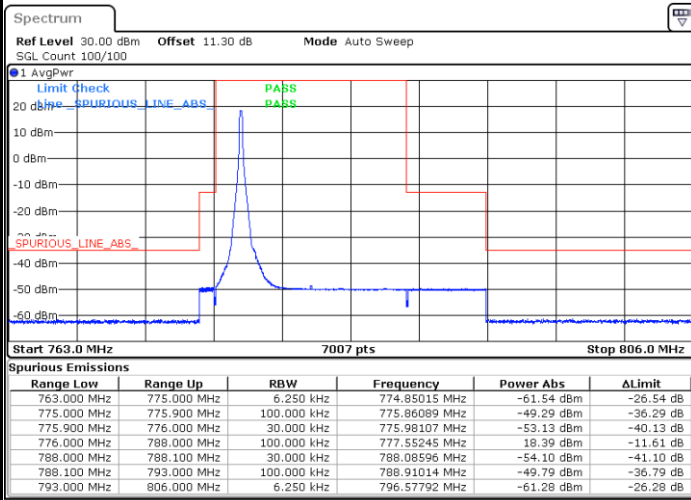


Date: 21 AUG 2020 01:39:40



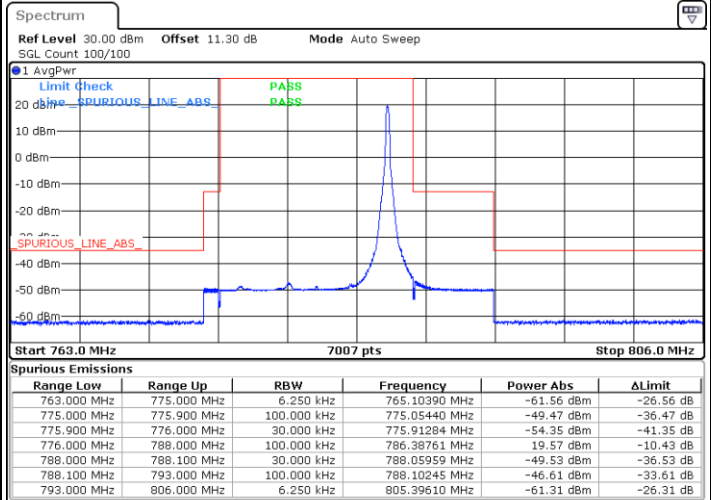
LTE Band 13 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



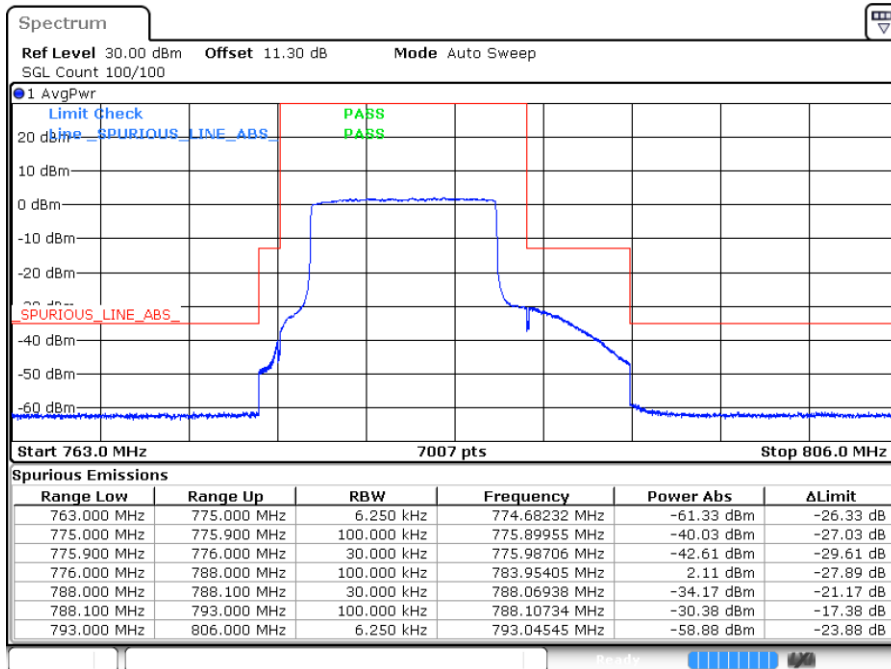
Date: 21 AUG 2020 01:53:04

Highest Band Edge / 1 RB



Date: 21 AUG 2020 01:48:01

Band Edge / Full RB

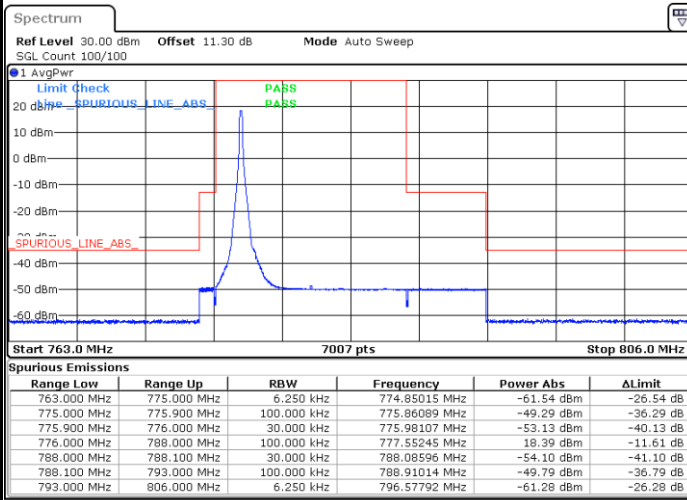


Date: 21 AUG 2020 01:41:20



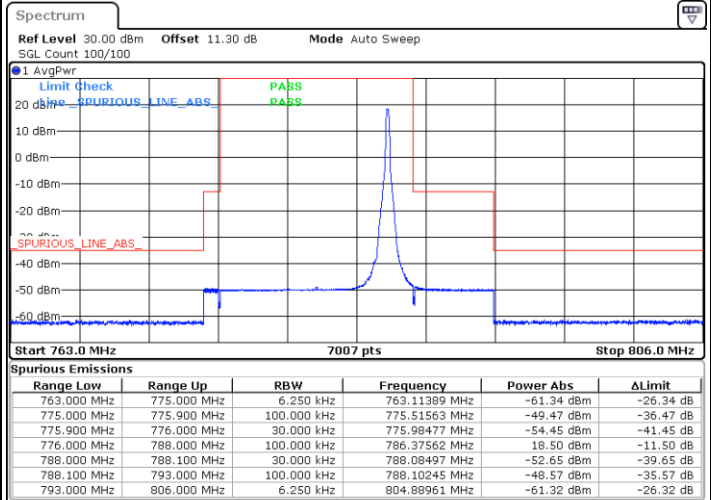
LTE Band 13 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



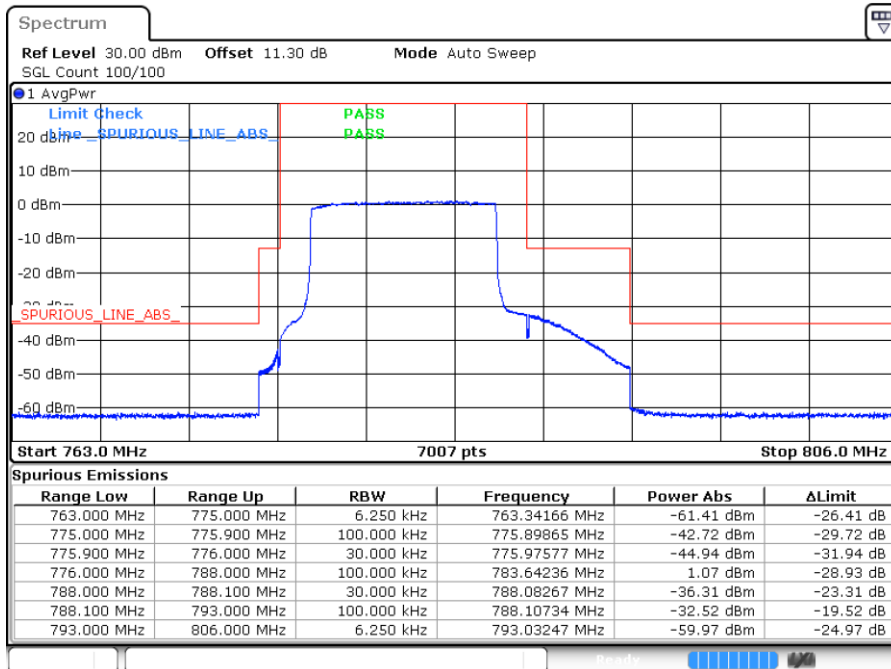
Date: 21 AUG 2020 01:53:04

Highest Band Edge / 1 RB



Date: 21 AUG 2020 01:54:44

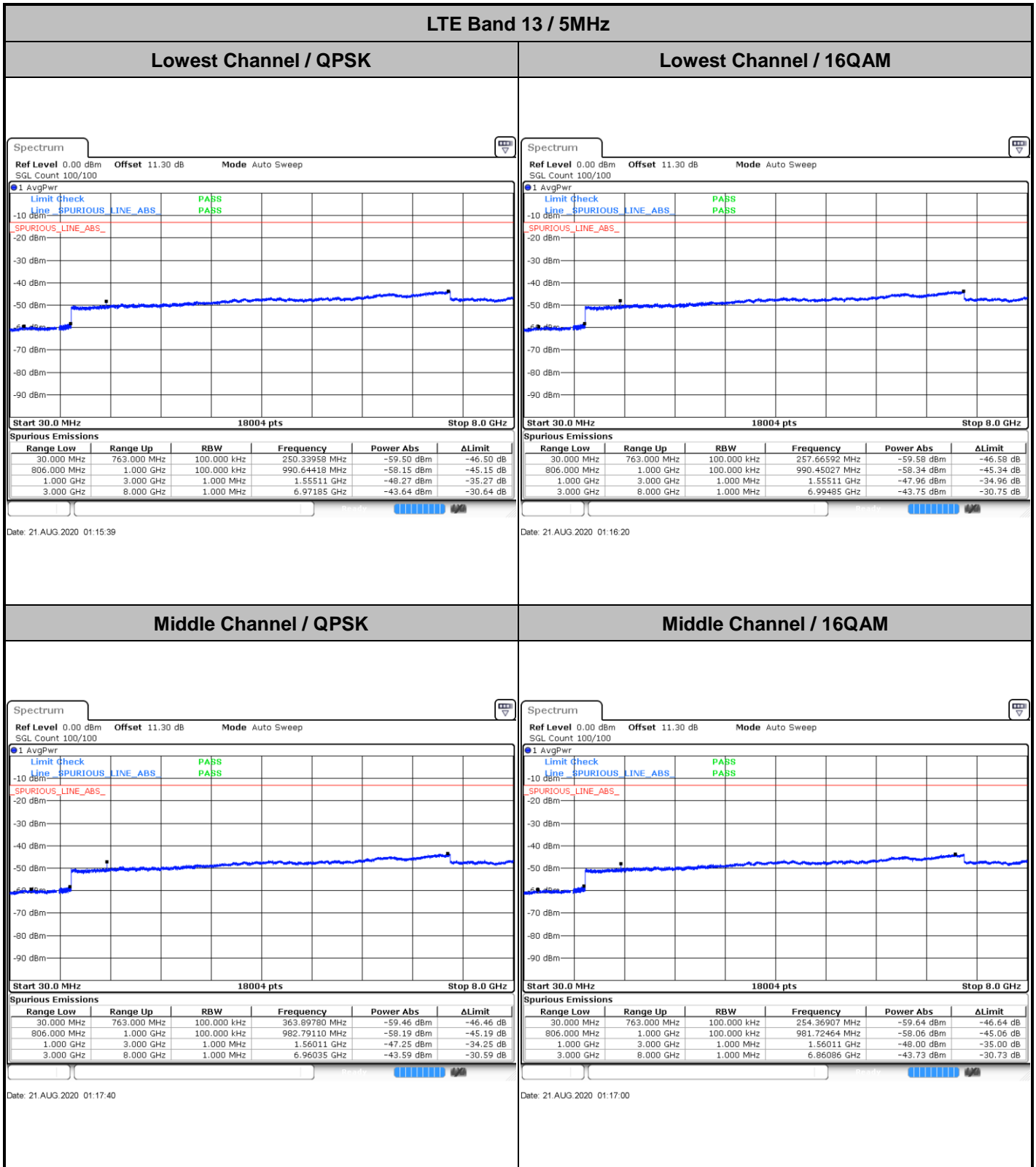
Band Edge / Full RB



Date: 21 AUG 2020 01:51:24



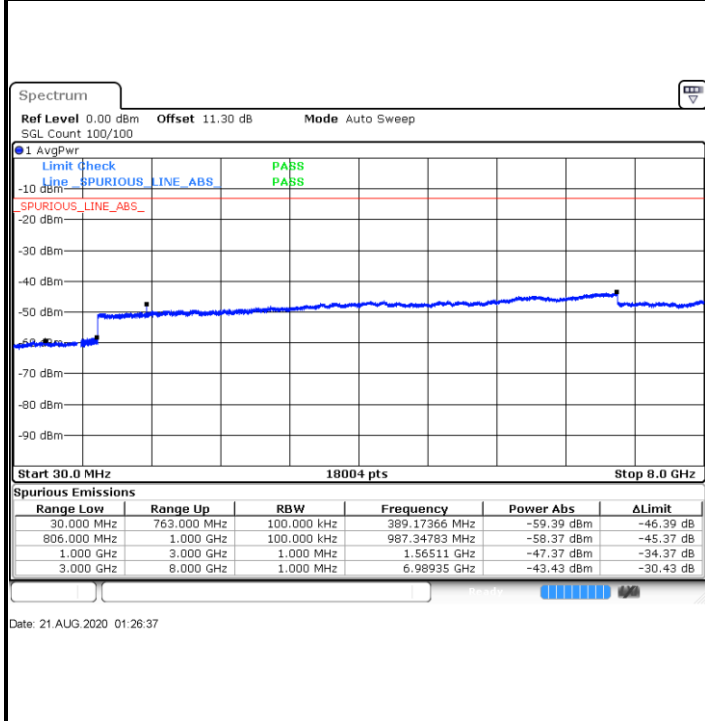
Conducted Spurious Emission



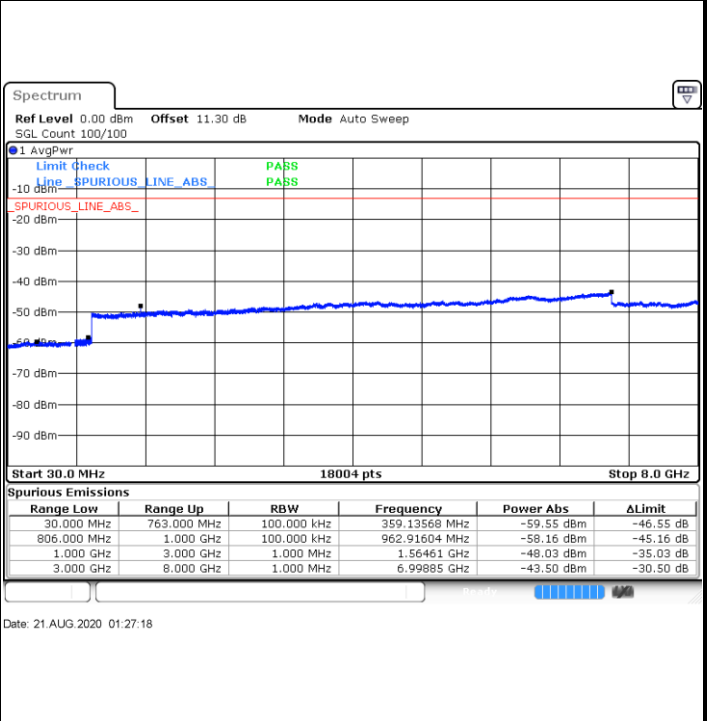


LTE Band 13 / 5MHz

Highest Channel / QPSK

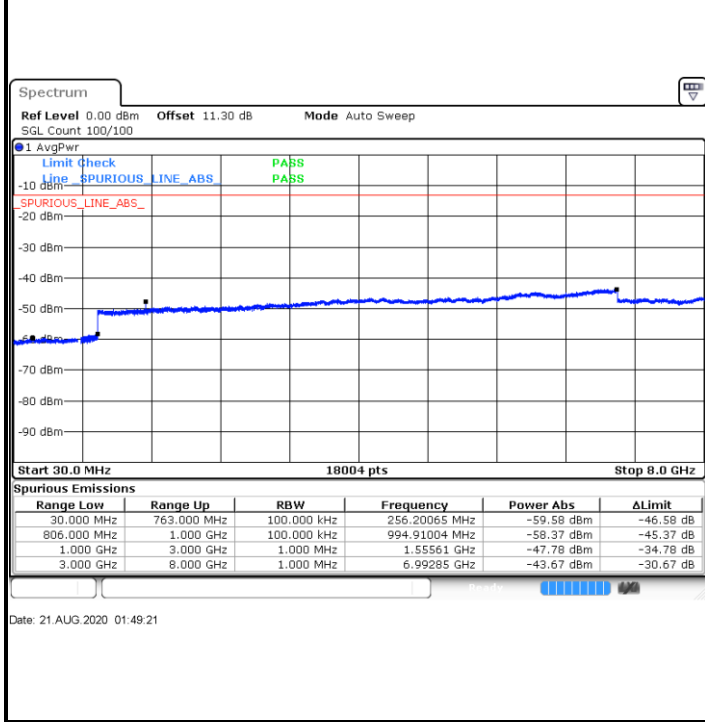


Highest Channel / 16QAM

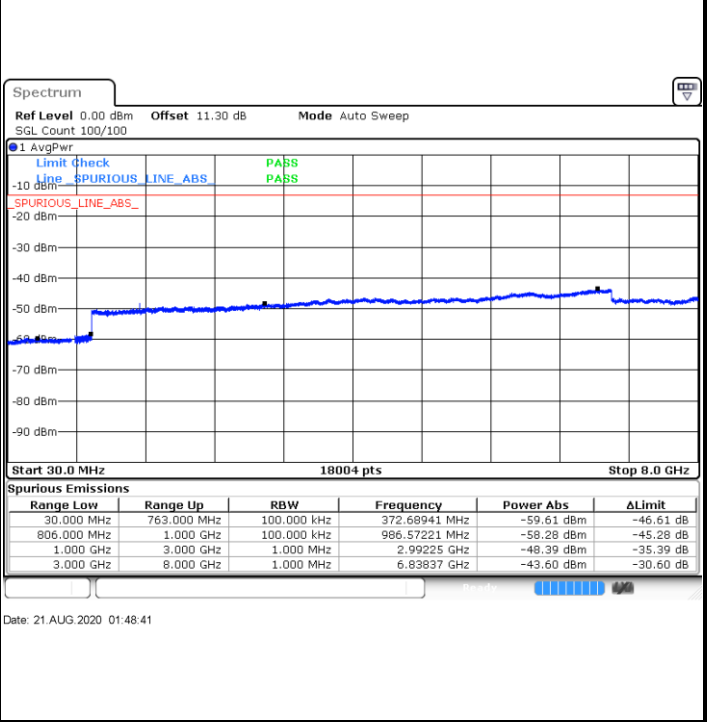


LTE Band 13 / 10MHz

Middle Channel / QPSK



Middle Channel / 16QAM

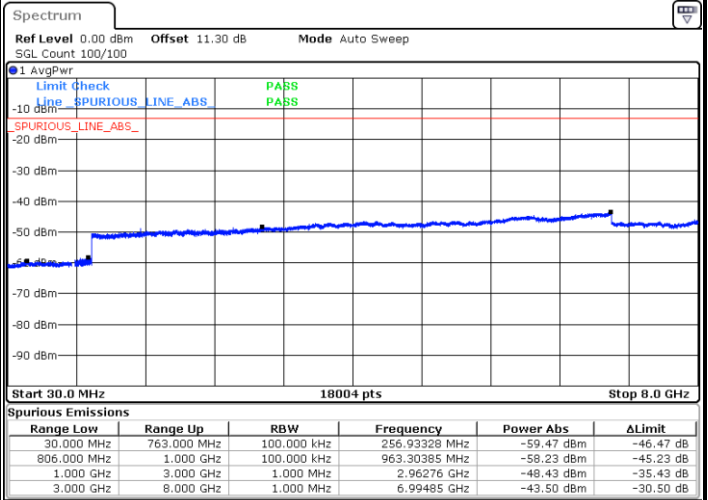
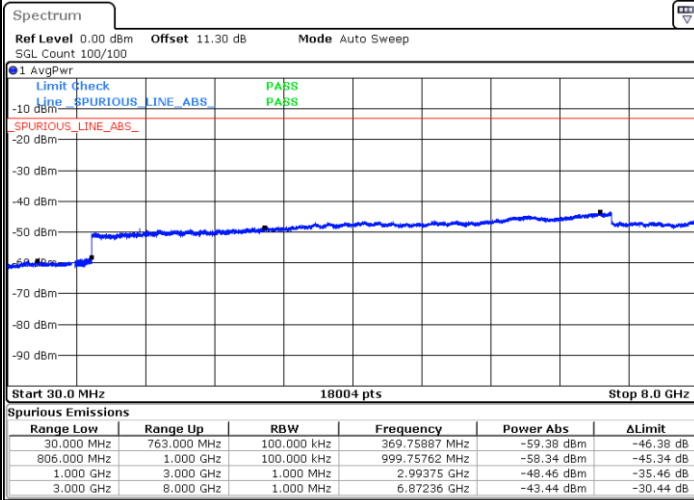




LTE Band 13 / 5MHz

Lowest Channel / 64QAM

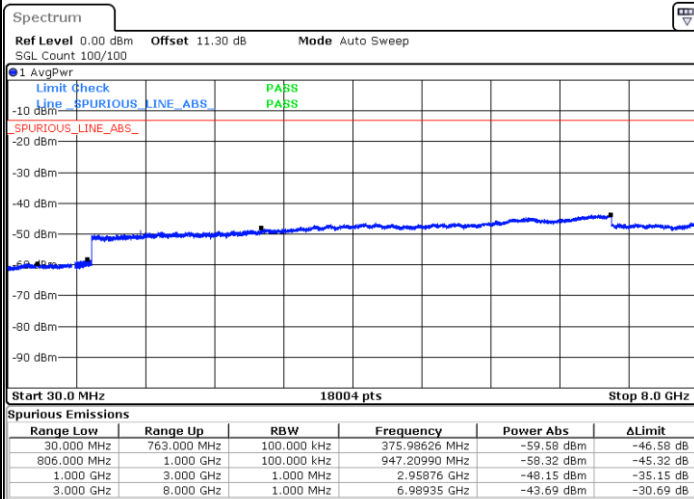
Middle Channel / 64QAM



Date: 21 AUG.2020 01:31:44

Date: 21 AUG.2020 01:32:24

Highest Channel / 64QAM

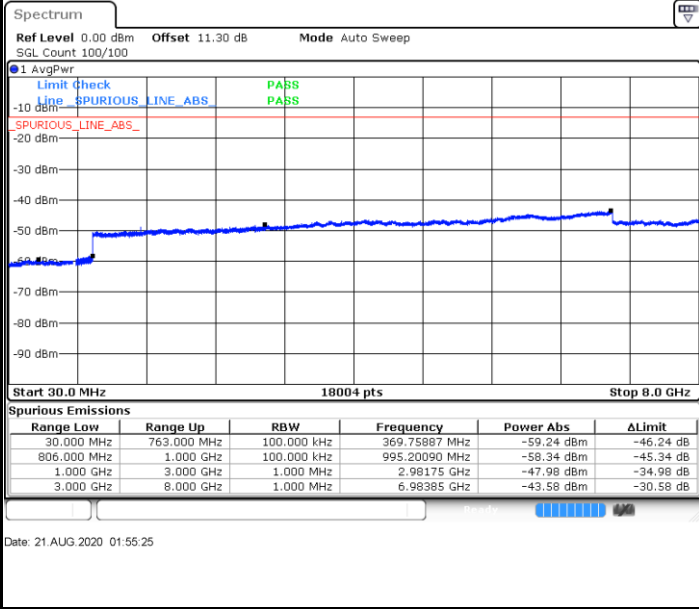


Date: 21 AUG.2020 01:37:13



LTE Band 13 / 10MHz

Middle Channel / 64QAM





Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0050	
0	Normal Voltage	0.0100	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0152	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0115	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 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 5 / 1.4MHz (Average) (GT - LC = -6.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	23.53	0.2254	14.48	0.0281
Middle		3	0	23.38	0.2178	14.33	0.0271
Highest		3	0	23.26	0.2118	14.21	0.0264
Lowest	16QAM	1	3	22.90	0.1950	13.85	0.0243
Middle		1	3	22.78	0.1897	13.73	0.0236
Highest		1	3	22.68	0.1854	13.63	0.0231
Lowest	64QAM	1	3	21.81	0.1517	12.76	0.0189
Middle		1	3	21.72	0.1486	12.67	0.0185
Highest		1	3	21.61	0.1449	12.56	0.0180
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -6.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.51	0.2244	14.46	0.0279
Middle		1	8	23.48	0.2228	14.43	0.0277
Highest		1	8	23.32	0.2148	14.27	0.0267
Lowest	16QAM	1	8	22.95	0.1972	13.90	0.0245
Middle		1	8	22.85	0.1928	13.80	0.0240
Highest		1	8	22.79	0.1901	13.74	0.0237
Lowest	64QAM	1	0	21.88	0.1542	12.83	0.0192
Middle		1	0	21.69	0.1476	12.64	0.0184
Highest		1	0	21.74	0.1493	12.69	0.0186
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -6.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.50	0.2239	14.45	0.0279
Middle		1	0	23.48	0.2228	14.43	0.0277
Highest		1	0	23.53	0.2254	14.48	0.0281
Lowest	16QAM	1	0	22.86	0.1932	13.81	0.0240
Middle		1	0	22.80	0.1905	13.75	0.0237
Highest		1	0	22.90	0.1950	13.85	0.0243
Lowest	64QAM	1	0	21.69	0.1476	12.64	0.0184
Middle		1	0	21.85	0.1531	12.80	0.0191
Highest		1	0	21.79	0.1510	12.74	0.0188
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -6.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.54	0.2259	14.49	0.0281
Middle		1	0	23.50	0.2239	14.45	0.0279
Highest		1	0	23.49	0.2234	14.44	0.0278
Lowest	16QAM	1	0	22.93	0.1963	13.88	0.0244
Middle		1	0	22.83	0.1919	13.78	0.0239
Highest		1	0	22.88	0.1941	13.83	0.0242
Lowest	64QAM	1	0	21.78	0.1507	12.73	0.0187
Middle		1	0	21.74	0.1493	12.69	0.0186
Highest		1	0	21.73	0.1489	12.68	0.0185
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -4.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	18.04	0.0637	13.34	0.0216
Middle		12	7	18.06	0.0640	13.36	0.0217
Highest		12	7	18.21	0.0662	13.51	0.0224
Lowest	16QAM	1	0	18.14	0.0652	13.44	0.0221
Middle		1	0	18.25	0.0668	13.55	0.0226
Highest		1	0	18.41	0.0693	13.71	0.0235
Lowest	64QAM	1	12	18.11	0.0647	13.41	0.0219
Middle		1	12	18.23	0.0665	13.53	0.0225
Highest		1	12	18.31	0.0678	13.61	0.0230
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -4.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	17.96	0.0625	13.26	0.0212
Middle		25	12	18.15	0.0653	13.45	0.0221
Highest		25	12	18.24	0.0667	13.54	0.0226
Lowest	16QAM	1	49	18.15	0.0653	13.45	0.0221
Middle		1	49	18.40	0.0692	13.70	0.0234
Highest		1	49	18.36	0.0685	13.66	0.0232
Lowest	64QAM	1	25	18.11	0.0647	13.41	0.0219
Middle		1	25	18.30	0.0676	13.60	0.0229
Highest		1	25	18.36	0.0685	13.66	0.0232
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -4.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	20	18.04	0.0637	13.34	0.0216
Middle		36	20	18.15	0.0653	13.45	0.0221
Highest		36	20	18.28	0.0673	13.58	0.0228
Lowest	16QAM	1	74	18.23	0.0665	13.53	0.0225
Middle		1	74	18.41	0.0693	13.71	0.0235
Highest		1	74	18.44	0.0698	13.74	0.0237
Lowest	64QAM	1	37	18.15	0.0653	13.45	0.0221
Middle		1	37	18.33	0.0681	13.63	0.0231
Highest		1	37	18.36	0.0685	13.66	0.0232
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = -4.7 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	50	18.06	0.0640	13.36	0.0217
Middle		50	50	18.17	0.0656	13.47	0.0222
Highest		50	50	18.24	0.0667	13.54	0.0226
Lowest	16QAM	1	49	18.18	0.0658	13.48	0.0223
Middle		1	49	18.33	0.0681	13.63	0.0231
Highest		1	49	18.45	0.0700	13.75	0.0237
Lowest	64QAM	1	49	18.06	0.0640	13.36	0.0217
Middle		1	49	18.23	0.0665	13.53	0.0225
Highest		1	49	18.37	0.0687	13.67	0.0233
Limit	EIRP < 2W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -5.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.87	0.2438	15.92	0.0391
Middle		1	0	23.86	0.2432	15.91	0.0390
Highest		1	0	23.80	0.2399	15.85	0.0385
Lowest	16QAM	1	24	22.98	0.1986	15.03	0.0318
Middle		1	24	22.94	0.1968	14.99	0.0316
Highest		1	24	22.88	0.1941	14.93	0.0311
Lowest	64QAM	1	24	21.90	0.1549	13.95	0.0248
Middle		1	24	21.86	0.1535	13.91	0.0246
Highest		1	24	21.79	0.1510	13.84	0.0242
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -5.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.87	0.2438	15.92	0.0391
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	22.97	0.1982	15.02	0.0318
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	0	21.95	0.1567	14.00	0.0251
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

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	-53.58	-13	-40.58	-64.62	-59.43	0.69	8.69	H
	2473	-49.93	-13	-36.93	-65.81	-57.60	0.95	10.76	H
	3298	-47.42	-13	-34.42	-65.49	-55.92	1.20	11.86	H
									H
									H
									H
	1648	-53.77	-13	-40.77	-64.69	-59.62	0.69	8.69	V
	2473	-50.12	-13	-37.12	-66	-57.79	0.95	10.76	V
	3298	-47.96	-13	-34.96	-65.87	-56.46	1.20	11.86	V
									V
									V
									V
Middle	1664	-53.36	-13	-40.36	-64.47	-59.26	0.70	8.76	H
	2496	-49.59	-13	-36.59	-65.49	-57.28	0.95	10.79	H
	3328	-48.16	-13	-35.16	-66.15	-56.72	1.21	11.92	H
									H
									H
									H
	1664	-53.76	-13	-40.76	-64.77	-59.66	0.70	8.76	V
	2496	-49.50	-13	-36.50	-65.32	-57.19	0.95	10.79	V
	3328	-48.06	-13	-35.06	-65.8	-56.62	1.21	11.92	V
									V
									V
									V



Highest	1680	-53.46	-13	-40.46	-64.65	-59.42	0.71	8.82	H
	2518	-50.00	-13	-37.00	-65.88	-57.71	0.96	10.81	H
	3358	-48.64	-13	-35.64	-66.56	-57.26	1.22	11.99	H
									H
									H
									H
									H
	1680	-53.59	-13	-40.59	-64.69	-59.55	0.71	8.82	V
	2518	-49.44	-13	-36.44	-65.41	-57.15	0.96	10.81	V
	3358	-48.74	-13	-35.74	-66.32	-57.36	1.22	11.99	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	5002	-55.51	-25	-30.51	-49.95	-66.26	1.95	12.70	H
	7503	-53.04	-25	-28.04	-54.02	-62.17	2.17	11.30	H
	10004	-49.14	-25	-24.14	-52.14	-57.91	2.43	11.20	H
									H
									H
									H
									H
	5002	-55.51	-25	-30.51	-50.08	-66.26	1.95	12.70	V
	7503	-52.53	-25	-27.53	-53.66	-61.66	2.17	11.30	V
	10004	-49.77	-25	-24.77	-52.09	-58.54	2.43	11.20	V
									V
									V
									V
									V
Middle	5052	-55.64	-25	-30.64	-50.23	-66.45	1.96	12.76	H
	7578	-53.48	-25	-28.48	-54.08	-62.54	2.22	11.28	H
	10107	-48.67	-25	-23.67	-51.62	-57.35	2.47	11.16	H
									H
									H
									H
									H
	5052	-55.45	-25	-30.45	-50.02	-66.26	1.96	12.76	V
	7578	-53.22	-25	-28.22	-54.01	-62.28	2.22	11.28	V
	10107	-49.85	-25	-24.85	-52.22	-58.53	2.47	11.16	V
									V
									V
									V
									V



Highest	5102	-54.90	-25	-29.90	-49.64	-65.76	1.96	12.82	H
	7653	-52.40	-25	-27.40	-52.93	-61.39	2.28	11.27	H
	10204	-48.98	-25	-23.98	-51.87	-57.58	2.52	11.12	H
									H
									H
									H
									H
	5102	-56.16	-25	-31.16	-50.75	-67.02	1.96	12.82	V
	7653	-53.08	-25	-28.08	-53.81	-62.07	2.28	11.27	V
	10204	-49.45	-25	-24.45	-51.86	-58.05	2.52	11.12	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / 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	1552	-53.31	-13	-40.31	-64.50	-58.83	0.64	8.31	H
	2332	-48.67	-13	-35.67	-65.02	-56.15	0.93	10.56	H
	3110	-47.67	-13	-34.67	-65.74	-55.81	1.16	11.44	H
									H
									H
									H
									H
	1552	-53.92	-13	-40.92	-64.81	-59.44	0.64	8.31	V
	2332	-48.69	-13	-35.69	-65.13	-56.17	0.93	10.56	V
	3110	-47.36	-13	-34.36	-65.30	-55.50	1.16	11.44	V
									V
									V
									V
									V
Middle	1560	-53.40	-42.15	-11.25	-64.53	-58.95	0.64	8.34	H
	2339	-49.50	-13	-36.50	-65.80	-56.99	0.93	10.57	H
	3119	-47.93	-13	-34.93	-66.02	-56.08	1.16	11.46	H
									H
									H
									H
									H
	1560	-53.54	-42.15	-11.39	-64.39	-59.09	0.64	8.34	V
	2339	-49.80	-13	-36.80	-66.20	-57.29	0.93	10.57	V
	3119	-47.06	-13	-34.06	-65.05	-55.21	1.16	11.46	V
									V
									V
									V
									V



Highest	1560	-54.37	-42.15	-12.22	-65.50	-59.92	0.64	8.34	H
	2347	-49.53	-13	-36.53	-65.78	-57.03	0.93	10.59	H
	3129	-47.88	-13	-34.88	-66.01	-56.05	1.16	11.48	H
									H
									H
									H
									H
	1560	-53.78	-42.15	-11.63	-64.63	-59.33	0.64	8.34	V
	2347	-49.02	-13	-36.02	-65.38	-56.52	0.93	10.59	V
	3129	-47.98	-13	-34.98	-66.04	-56.15	1.16	11.48	V
									V
									V
									V
									V

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



LTE Band 13 / 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)
Middle	1552	-53.32	-13	-40.32	-64.51	-58.84	0.64	8.31	H
	2332	-49.53	-13	-36.53	-65.88	-57.01	0.93	10.56	H
	3110	-48.17	-13	-35.17	-66.24	-56.31	1.16	11.44	H
									H
									H
									H
									H
	1552	-53.95	-13	-40.95	-64.84	-59.47	0.64	8.31	V
	2332	-49.08	-13	-36.08	-65.52	-56.56	0.93	10.56	V
	3110	-47.21	-13	-34.21	-65.15	-55.35	1.16	11.44	V
									V
									V
									V
									V

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

————THE END————