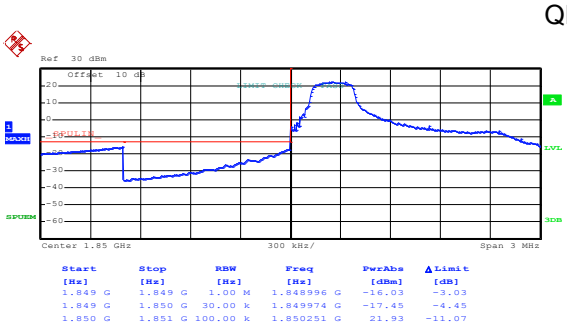
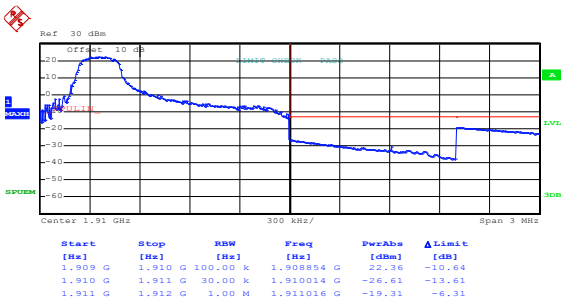
LTE Band 2, BW: 1.4MHz

QPSK & RB Size 1



Date: 12.APR.2019 10:34:04

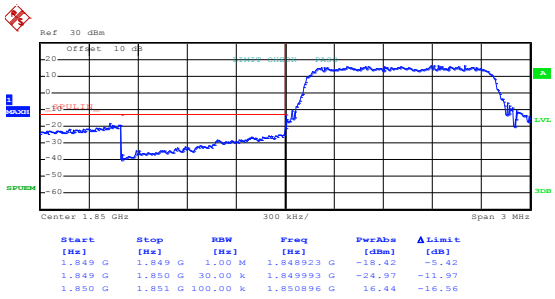
Lowest channel



Date: 12.APR.2019 10:35:37

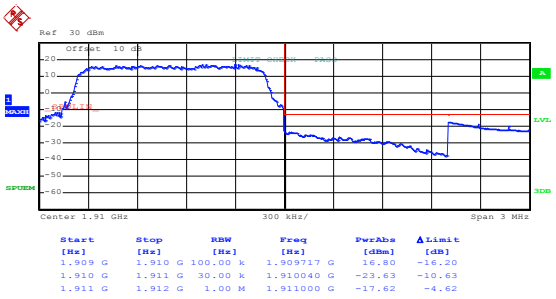
Highest channel

QPSK & RB Size 6



Date: 12.APR.2019 10:34:56

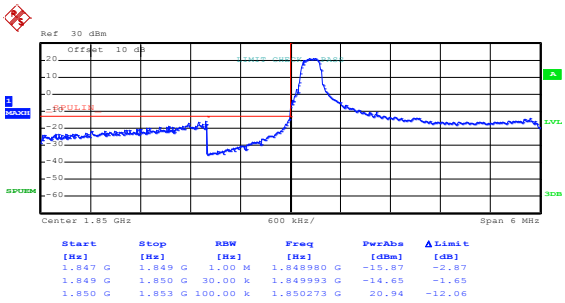
Lowest channel



Date: 12.APR.2019 10:37:52

Highest channel

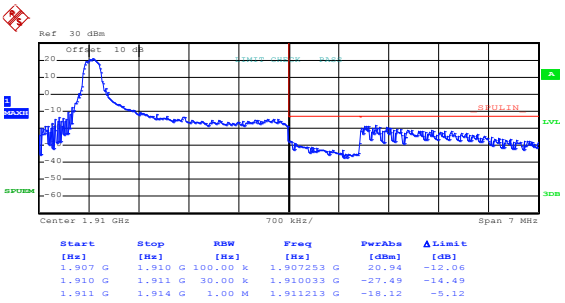
LTE Band 2, BW: 3MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.847 G	1.849 G	1.00 M	1.848980 G	-15.87	-2.87
1.849 G	1.850 G	30.00 k	1.849993 G	-14.65	-1.65
1.850 G	1.853 G	100.00 k	1.850273 G	20.94	-12.06

Date: 12.APR.2019 10:39:10

Lowest channel

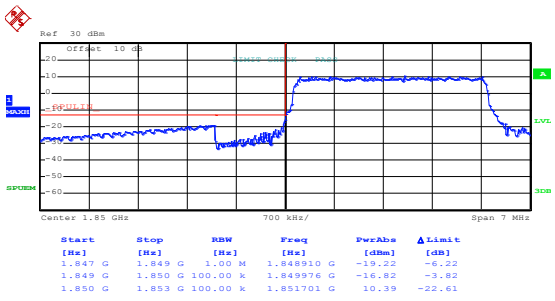


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.907 G	1.910 G	100.00 k	1.907253 G	20.94	-12.06
1.910 G	1.911 G	30.00 k	1.910033 G	-27.49	-14.49
1.911 G	1.914 G	1.00 M	1.911213 G	-18.12	-5.12

Date: 12.APR.2019 10:42:21

Highest channel

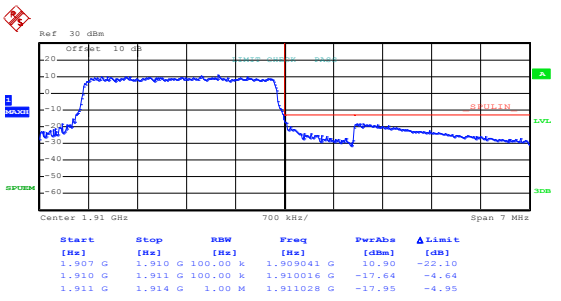
16QAM & RB Size 15



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.847 G	1.849 G	1.00 M	1.848910 G	-19.22	-6.22
1.849 G	1.850 G	100.00 k	1.849976 G	-16.82	-3.82
1.850 G	1.853 G	100.00 k	1.851701 G	10.39	-22.61

Date: 12.APR.2019 10:41:27

Lowest channel

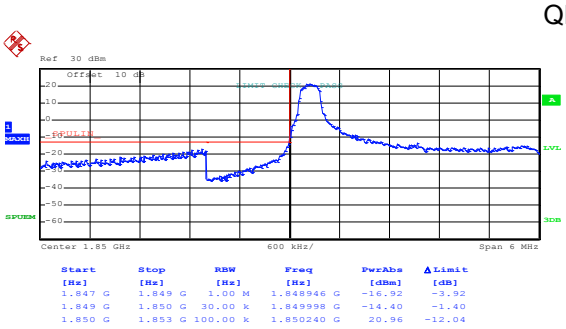


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.907 G	1.910 G	100.00 k	1.909041 G	10.90	-22.10
1.910 G	1.911 G	100.00 k	1.910016 G	-17.64	-4.64
1.911 G	1.914 G	1.00 M	1.911028 G	-17.95	-4.95

Date: 12.APR.2019 10:43:32

Highest channel

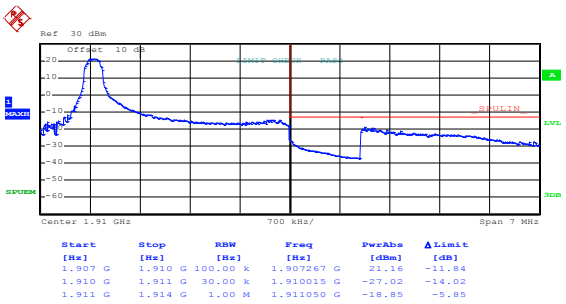
LTE Band 2, BW: 3MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.847 G	1.849 G	1.00 M	1.848946 G	-16.92	-3.92
1.849 G	1.850 G	30.00 k	1.849998 G	-14.40	-1.40
1.850 G	1.853 G	100.00 k	1.850240 G	20.96	-12.04

Date: 12.APR.2019 10:39:01

Lowest channel

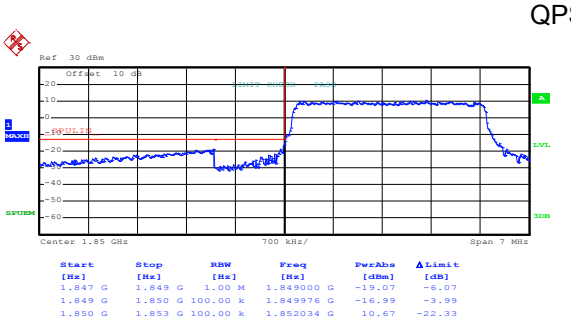


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.907 G	1.910 G	100.00 k	1.907267 G	21.16	-11.84
1.910 G	1.911 G	30.00 k	1.910015 G	-27.02	-14.02
1.911 G	1.914 G	1.00 M	1.911050 G	-18.85	-5.85

Date: 12.APR.2019 10:42:13

Highest channel

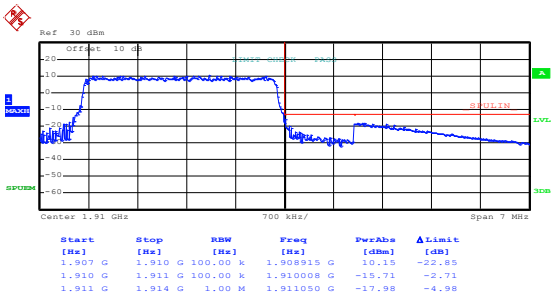
QPSK & RB Size 15



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.847 G	1.849 G	1.00 M	1.849000 G	-19.07	-6.07
1.849 G	1.850 G	100.00 k	1.849976 G	-16.99	-3.99
1.850 G	1.853 G	100.00 k	1.852034 G	10.67	-22.33

Date: 12.APR.2019 10:41:18

Lowest channel

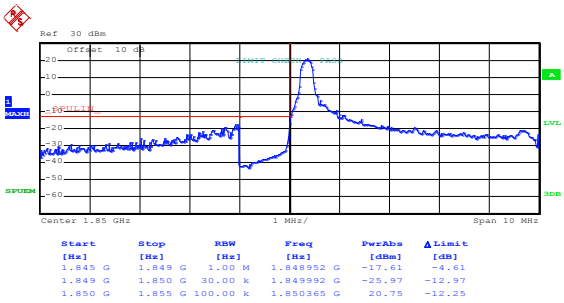


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.907 G	1.910 G	100.00 k	1.908915 G	10.15	-22.85
1.910 G	1.911 G	100.00 k	1.910008 G	-15.71	-2.71
1.911 G	1.914 G	1.00 M	1.911050 G	-17.98	-4.98

Date: 12.APR.2019 10:43:25

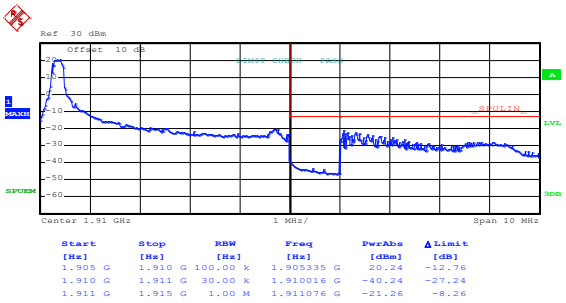
Highest channel

LTE Band 2, BW: 5MHz
16QAM & RB Size 1



Date: 12.APR.2019 10:44:26

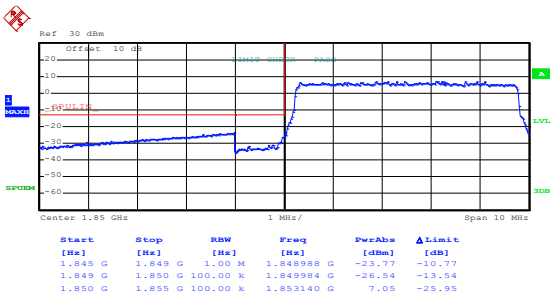
Lowest channel



Date: 12.APR.2019 10:45:52

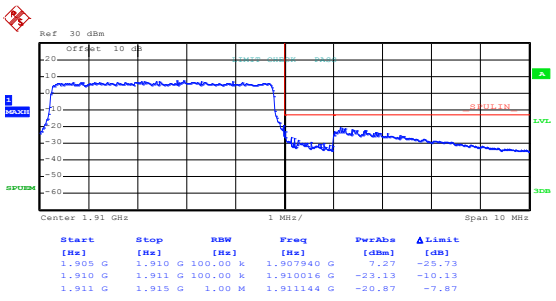
Highest channel

16QAM & RB Size 25



Date: 12.APR.2019 10:45:14

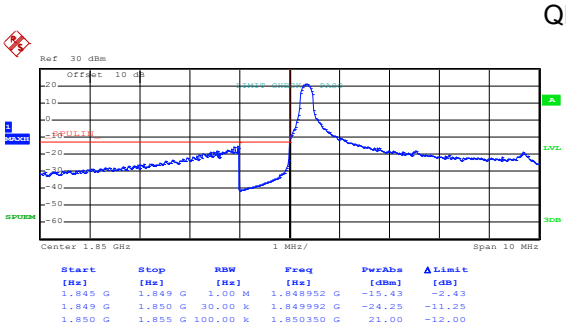
Lowest channel



Date: 12.APR.2019 10:46:42

Highest channel

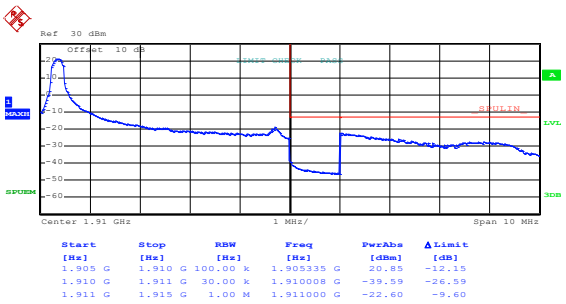
LTE Band 2, BW: 5MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848952 G	-15.43	-2.43
1.849 G	1.850 G	30.00 k	1.849992 G	-24.25	-11.25
1.850 G	1.855 G	100.00 k	1.850350 G	21.00	-12.00

Date: 12.APR.2019 10:44:18

Lowest channel

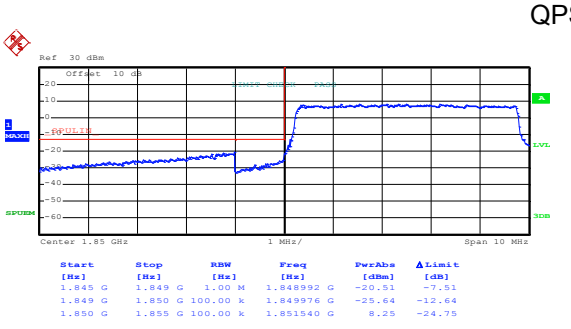


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.905335 G	20.85	-12.15
1.910 G	1.911 G	30.00 k	1.910008 G	-39.59	-26.59
1.911 G	1.915 G	1.00 M	1.911000 G	-22.60	-9.60

Date: 12.APR.2019 10:45:44

Highest channel

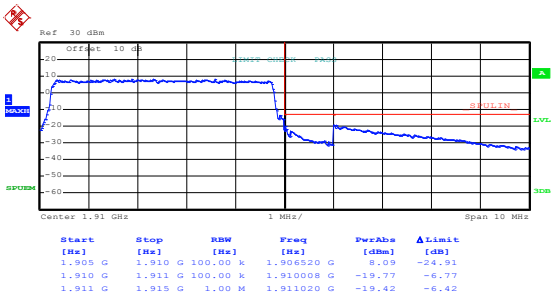
QPSK & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848992 G	-20.51	-7.51
1.849 G	1.850 G	100.00 k	1.849976 G	-25.64	-12.64
1.850 G	1.855 G	100.00 k	1.851540 G	8.25	-24.75

Date: 12.APR.2019 10:45:09

Lowest channel

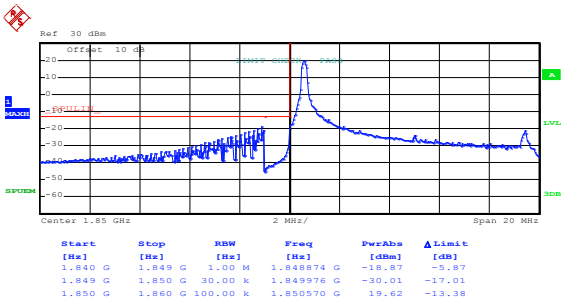


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.906520 G	8.09	-24.91
1.910 G	1.911 G	100.00 k	1.910008 G	-19.77	-6.77
1.911 G	1.915 G	1.00 M	1.911020 G	-19.42	-6.42

Date: 12.APR.2019 10:46:36

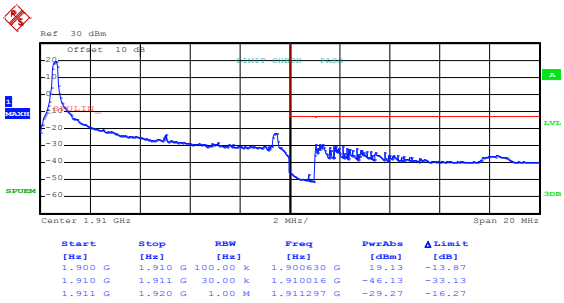
Highest channel

LTE Band 2, BW: 10MHz
16QAM & RB Size 1



Date: 12.APR.2019 10:47:41

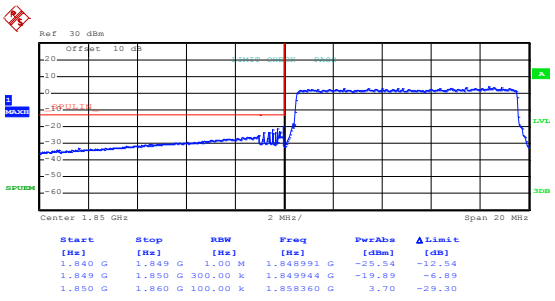
Lowest channel



Date: 12.APR.2019 10:49:11

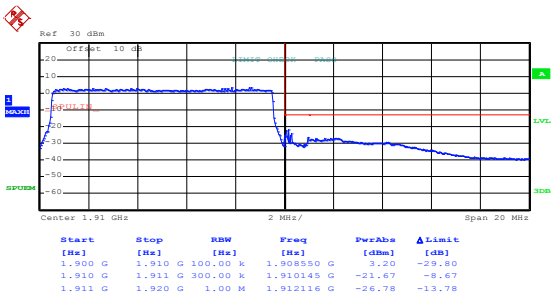
Highest channel

16QAM & RB Size 50



Date: 12.APR.2019 10:48:36

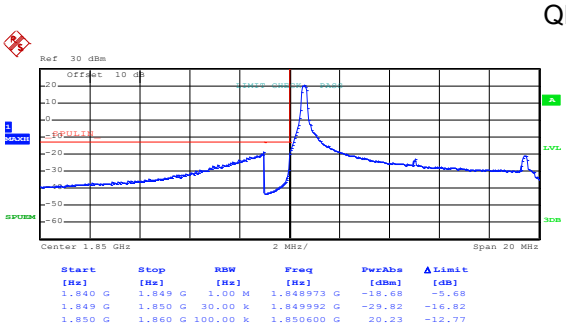
Lowest channel



Date: 12.APR.2019 10:49:58

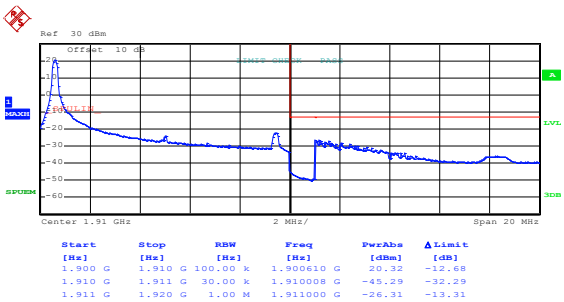
Highest channel

LTE Band 2, BW: 10MHz
QPSK & RB Size 1



Date: 12.APR.2019 10:47:34

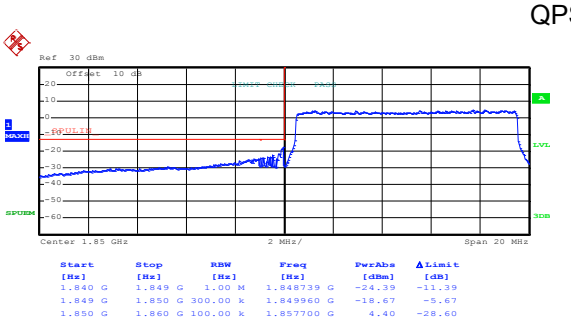
Lowest channel



Date: 12.APR.2019 10:49:04

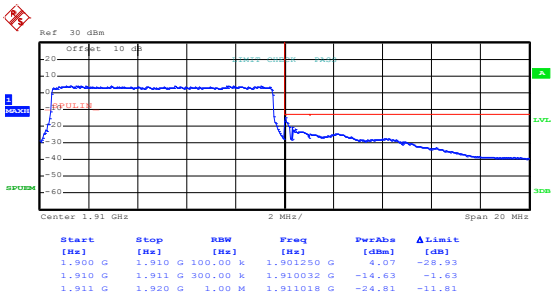
Highest channel

QPSK & RB Size 50



Date: 12.APR.2019 10:48:30

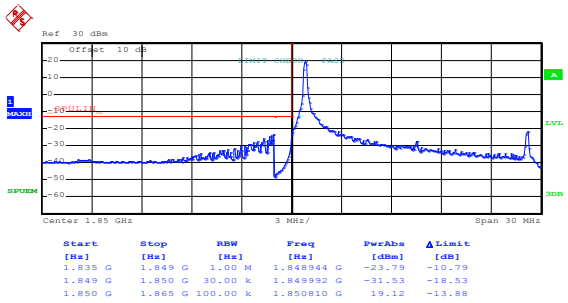
Lowest channel



Date: 12.APR.2019 10:49:51

Highest channel

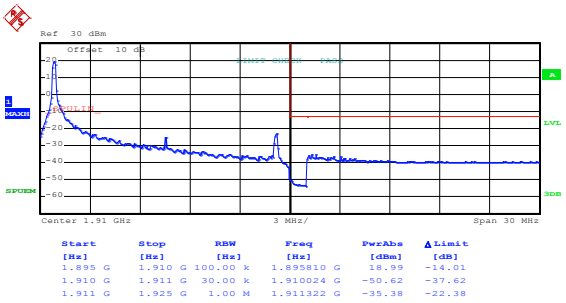
LTE Band 2, BW: 15MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.835 G	1.849 G	1.00 M	1.848944 G	-23.79	-10.79
1.849 G	1.850 G	30.00 k	1.849992 G	-31.53	-18.53
1.850 G	1.865 G	100.00 k	1.850810 G	19.12	-13.88

Date: 12.APR.2019 10:51:03

Lowest channel

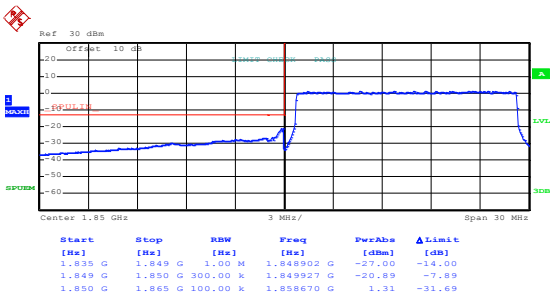


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.895 G	1.910 G	100.00 k	1.895810 G	18.99	-14.01
1.910 G	1.911 G	30.00 k	1.910024 G	-50.62	-37.62
1.911 G	1.925 G	1.00 M	1.911322 G	-35.38	-22.38

Date: 12.APR.2019 10:56:15

Highest channel

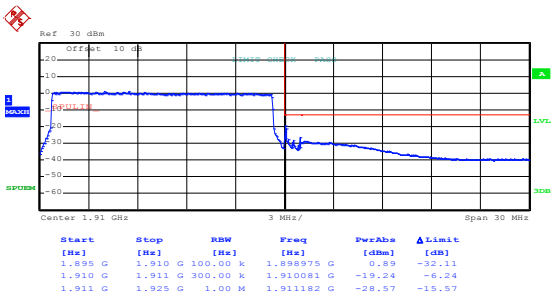
16QAM & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.835 G	1.849 G	1.00 M	1.848902 G	-27.00	-14.00
1.849 G	1.850 G	300.00 k	1.849927 G	-20.89	-7.89
1.850 G	1.865 G	100.00 k	1.858670 G	1.31	-31.69

Date: 12.APR.2019 10:53:33

Lowest channel

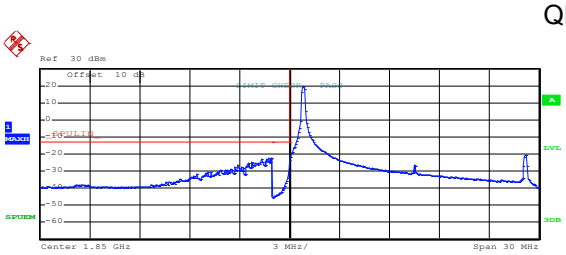


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.895 G	1.910 G	100.00 k	1.898975 G	0.89	-32.11
1.910 G	1.911 G	300.00 k	1.910081 G	-19.24	-6.24
1.911 G	1.925 G	1.00 M	1.911182 G	-28.57	-15.57

Date: 12.APR.2019 10:57:16

Highest channel

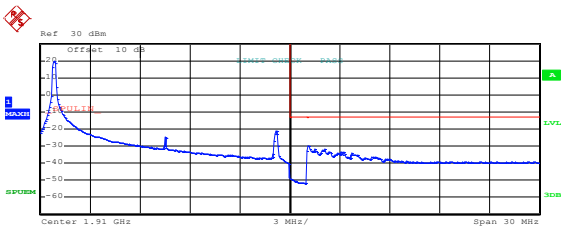
LTE Band 2, BW: 15MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.835 G	1.849 G	1.00 M	1.848734 G	-22.18	-9.18
1.849 G	1.850 G	30.00 k	1.849992 G	-31.27	-18.27
1.850 G	1.865 G	100.00 k	1.850840 G	19.87	-13.13

Date: 12.APR.2019 10:50:53

Lowest channel

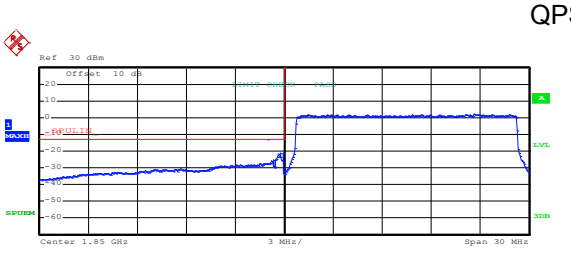


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.895 G	1.910 G	100.00 k	1.895840 G	19.80	-13.20
1.910 G	1.911 G	30.00 k	1.910024 G	-48.97	-35.97
1.911 G	1.925 G	1.00 M	1.911070 G	-29.90	-16.90

Date: 12.APR.2019 10:56:04

Highest channel

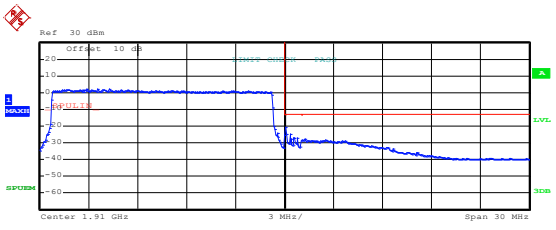
QPSK & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.835 G	1.849 G	1.00 M	1.848804 G	-27.36	-14.36
1.849 G	1.850 G	300.00 k	1.849766 G	-20.90	-7.90
1.850 G	1.865 G	100.00 k	1.861625 G	2.03	-30.97

Date: 12.APR.2019 10:51:45

Lowest channel

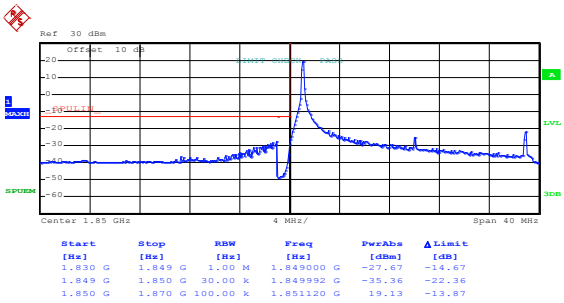


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.895 G	1.910 G	100.00 k	1.898555 G	2.10	-30.90
1.910 G	1.911 G	300.00 k	1.910056 G	-20.33	-7.33
1.911 G	1.925 G	1.00 M	1.911266 G	-27.82	-14.82

Date: 12.APR.2019 10:57:08

Highest channel

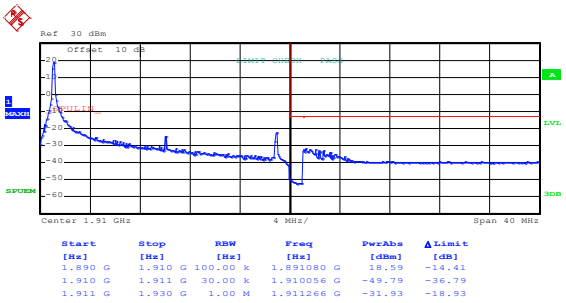
LTE Band 2, BW: 20MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.830 G	1.849 G	1.00 M	1.849000 G	-27.67	-14.67
1.849 G	1.850 G	30.00 k	1.849992 G	-35.36	-22.36
1.850 G	1.870 G	100.00 k	1.851120 G	19.13	-13.87

Date: 12.APR.2019 10:59:37

Lowest channel

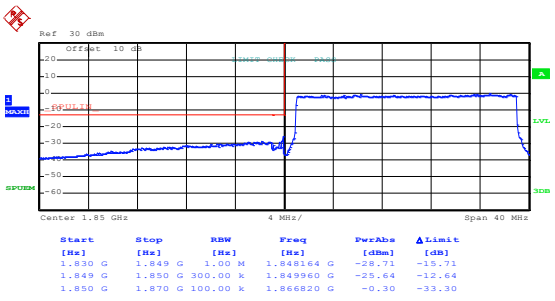


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.890 G	1.910 G	100.00 k	1.891080 G	18.59	-14.41
1.910 G	1.911 G	30.00 k	1.910056 G	-49.79	-36.79
1.911 G	1.930 G	1.00 M	1.911266 G	-31.93	-18.93

Date: 12.APR.2019 11:01:41

Highest channel

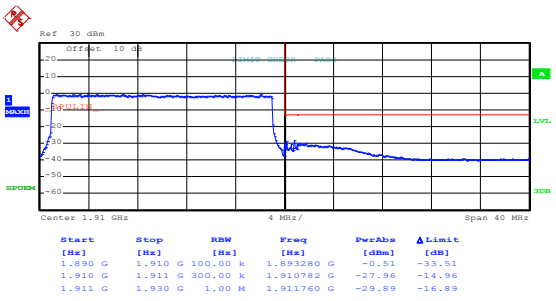
16QAM & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.830 G	1.849 G	1.00 M	1.848164 G	-28.71	-15.71
1.849 G	1.850 G	300.00 k	1.849960 G	-25.64	-12.64
1.850 G	1.870 G	100.00 k	1.866820 G	-0.30	-33.30

Date: 12.APR.2019 11:00:59

Lowest channel

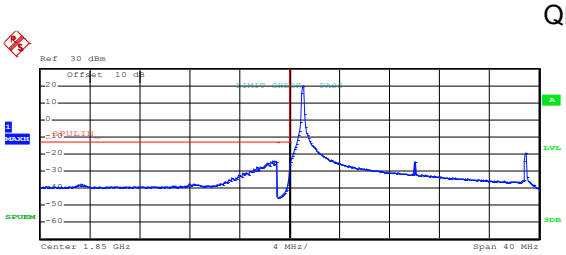


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.890 G	1.910 G	100.00 k	1.893280 G	-0.51	-33.51
1.910 G	1.911 G	300.00 k	1.910782 G	-27.96	-14.96
1.911 G	1.930 G	1.00 M	1.911760 G	-29.89	-16.89

Date: 12.APR.2019 11:02:26

Highest channel

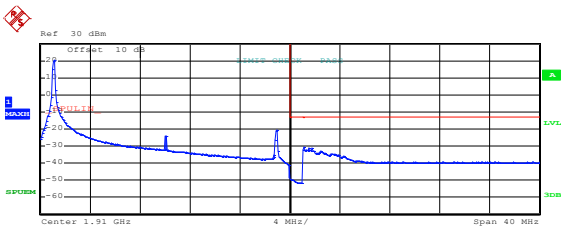
LTE Band 2, BW: 20MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.830 G	1.849 G	1.00 M	1.848772 G	-23.85	-10.85
1.849 G	1.850 G	30.00 k	1.849992 G	-35.04	-22.04
1.850 G	1.870 G	100.00 k	1.851080 G	19.90	-13.10

Date: 12.APR.2019 10:59:28

Lowest channel

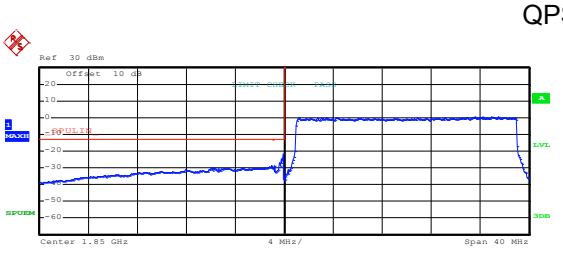


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.890 G	1.910 G	100.00 k	1.891100 G	20.06	-12.94
1.910 G	1.911 G	30.00 k	1.910024 G	-49.32	-36.32
1.911 G	1.930 G	1.00 M	1.911133 G	-30.52	-17.52

Date: 12.APR.2019 11:01:32

Highest channel

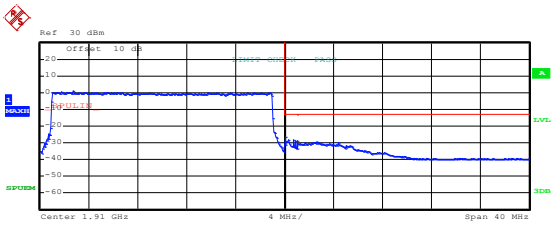
QPSK & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.830 G	1.849 G	1.00 M	1.848962 G	-28.76	-15.76
1.849 G	1.850 G	300.00 k	1.849927 G	-21.73	-8.73
1.850 G	1.870 G	100.00 k	1.867500 G	0.56	-32.44

Date: 12.APR.2019 11:00:53

Lowest channel



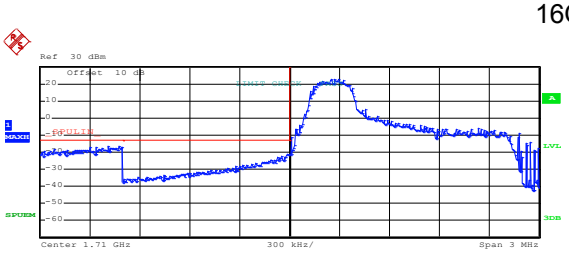
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.890 G	1.910 G	100.00 k	1.892740 G	0.77	-32.23
1.910 G	1.911 G	300.00 k	1.910065 G	-26.46	-13.46
1.911 G	1.930 G	1.00 M	1.911000 G	-28.94	-15.94

Date: 12.APR.2019 11:02:19

Highest channel

LTE Band 4 part:

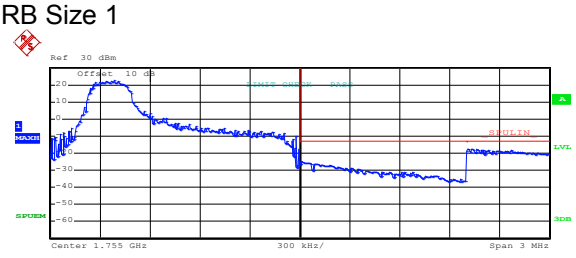
LTE Band 4, BW: 1.4MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.708 G	1.709 G	1.00 M	1.708976 G	-16.21	-3.21
1.709 G	1.710 G	30.00 k	1.709987 G	-21.33	-8.33
1.710 G	1.712 G	100.00 k	1.710267 G	22.52	-10.48

Date: 12.APR.2019 11:03:57

Lowest channel

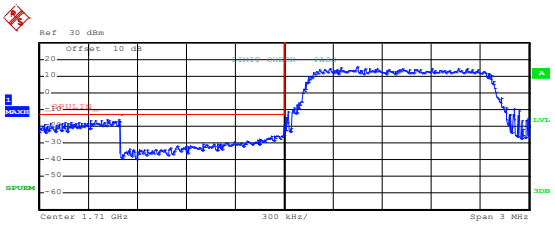


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.754 G	1.755 G	100.00 k	1.753886 G	22.67	-10.33
1.755 G	1.756 G	30.00 k	1.755003 G	-24.77	-11.77
1.756 G	1.757 G	1.00 M	1.756007 G	-17.49	-4.49

Date: 12.APR.2019 11:06:08

Highest channel

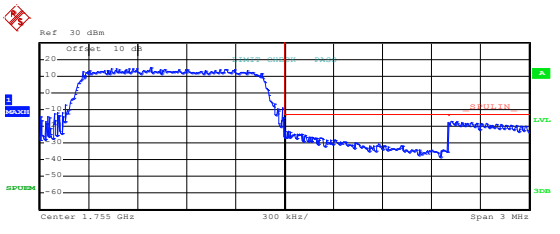
16QAM & RB Size 6



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.708 G	1.709 G	1.00 M	1.708984 G	-15.90	-2.90
1.709 G	1.710 G	30.00 k	1.709993 G	-25.45	-12.45
1.710 G	1.712 G	100.00 k	1.710447 G	15.52	-17.48

Date: 12.APR.2019 11:04:47

Lowest channel



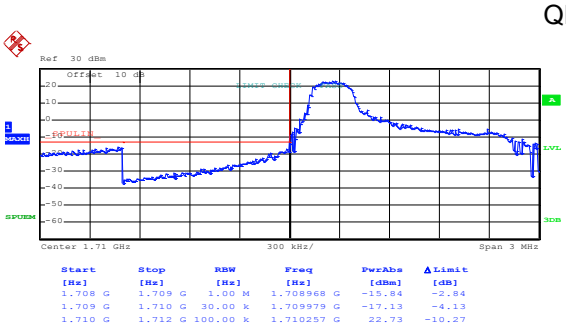
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.754 G	1.755 G	100.00 k	1.754181 G	15.03	-17.97
1.755 G	1.756 G	30.00 k	1.755006 G	-23.05	-10.05
1.756 G	1.757 G	1.00 M	1.756024 G	-17.10	-4.10

Date: 12.APR.2019 11:06:56

Highest channel

LTE Band 4, BW: 1.4MHz

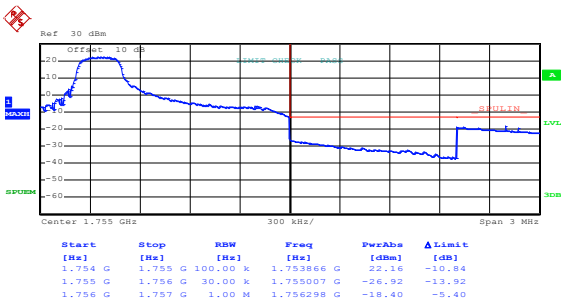
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.708 G	1.709 G	1.00 M	1.708968 G	-15.84	-2.84
1.709 G	1.710 G	30.00 k	1.709979 G	-17.13	-4.13
1.710 G	1.712 G	100.00 k	1.710257 G	22.73	-10.27

Date: 12.APR.2019 11:03:48

Lowest channel

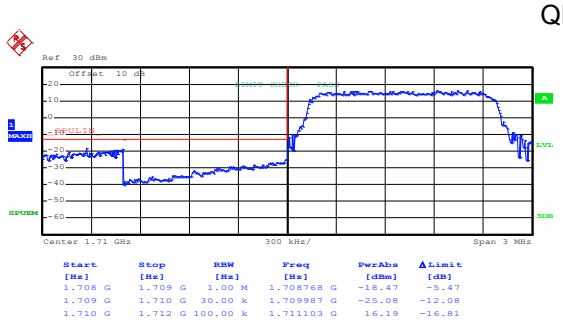


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.754 G	1.755 G	100.00 k	1.753866 G	22.16	-10.84
1.755 G	1.756 G	30.00 k	1.755007 G	-26.92	-13.92
1.756 G	1.757 G	1.00 M	1.756298 G	-18.40	-5.40

Date: 12.APR.2019 11:05:59

Highest channel

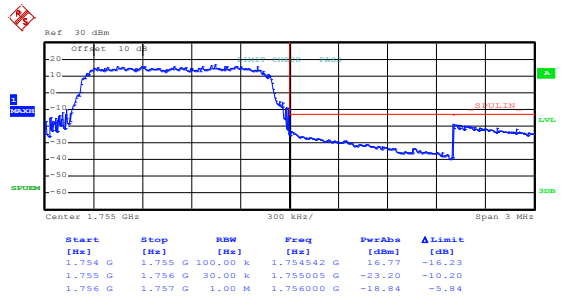
QPSK & RB Size 6



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.708 G	1.709 G	1.00 M	1.708768 G	-18.47	-5.47
1.709 G	1.710 G	30.00 k	1.709987 G	-25.08	-12.08
1.710 G	1.712 G	100.00 k	1.711103 G	16.19	-16.81

Date: 12.APR.2019 11:04:40

Lowest channel

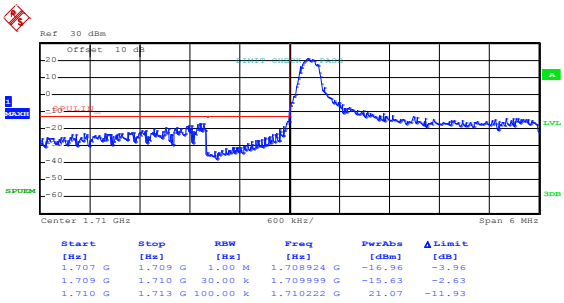


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.754 G	1.755 G	100.00 k	1.754542 G	16.77	-16.23
1.755 G	1.756 G	30.00 k	1.755005 G	-23.20	-10.20
1.756 G	1.757 G	1.00 M	1.756000 G	-18.84	-5.84

Date: 12.APR.2019 11:06:49

Highest channel

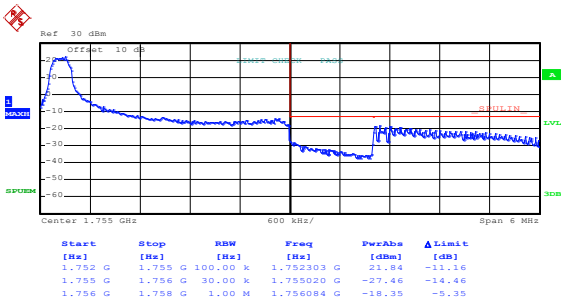
LTE Band 4, BW: 3MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.707 G	1.709 G	1.00 M	1.708924 G	-16.96	-3.96
1.709 G	1.710 G	30.00 k	1.709999 G	-15.63	-2.63
1.710 G	1.713 G	100.00 k	1.710222 G	21.07	-11.93

Date: 12.APR.2019 11:08:30

Lowest channel

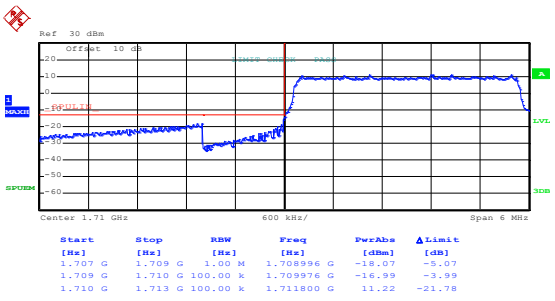


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.752 G	1.755 G	100.00 k	1.752303 G	21.84	-11.16
1.755 G	1.756 G	30.00 k	1.755020 G	-27.46	-14.46
1.756 G	1.758 G	1.00 M	1.756084 G	-18.35	-5.35

Date: 12.APR.2019 11:10:24

Highest channel

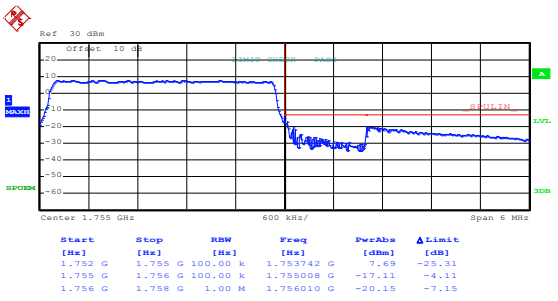
16QAM & RB Size 15



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.707 G	1.709 G	1.00 M	1.708996 G	-18.07	-5.07
1.709 G	1.710 G	100.00 k	1.709976 G	-16.99	-3.99
1.710 G	1.713 G	100.00 k	1.711800 G	11.22	-21.78

Date: 12.APR.2019 11:09:42

Lowest channel

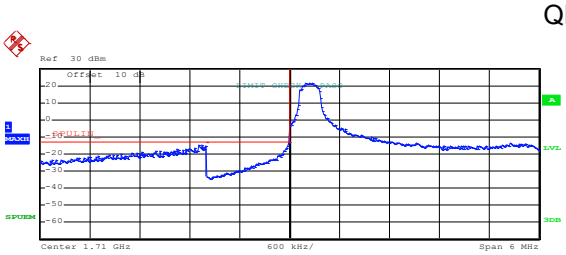


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.752 G	1.755 G	100.00 k	1.753742 G	7.69	-25.31
1.755 G	1.756 G	100.00 k	1.755008 G	-17.11	-4.11
1.756 G	1.758 G	1.00 M	1.756010 G	-20.15	-7.15

Date: 12.APR.2019 11:12:50

Highest channel

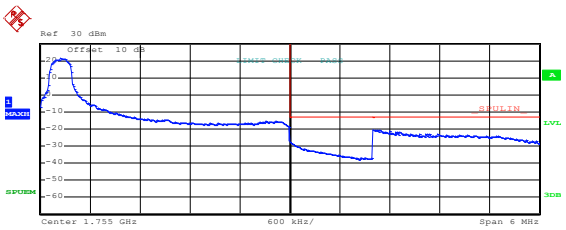
LTE Band 4, BW: 3MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.707 G	1.709 G	1.00 M	1.708946 G	-14.99	-1.99
1.709 G	1.710 G	30.00 k	1.709999 G	-13.66	-0.66
1.710 G	1.713 G	100.00 k	1.710240 G	21.60	-11.40

Date: 12.APR.2019 11:08:19

Lowest channel

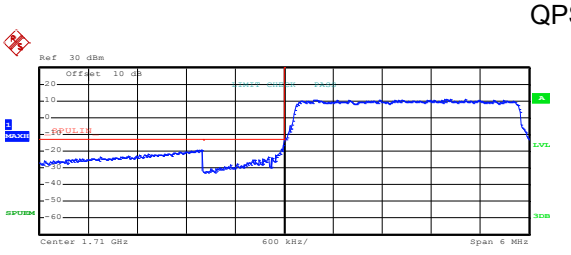


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.752 G	1.755 G	100.00 k	1.752237 G	21.29	-11.71
1.755 G	1.756 G	30.00 k	1.755008 G	-27.54	-14.54
1.756 G	1.758 G	1.00 M	1.756074 G	-20.37	-7.37

Date: 12.APR.2019 11:10:16

Highest channel

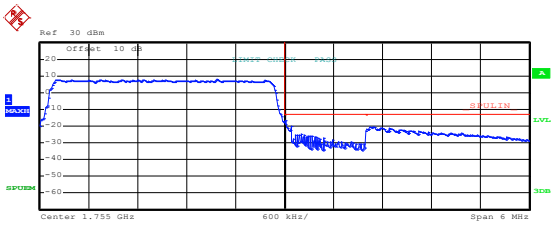
QPSK & RB Size 15



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.707 G	1.709 G	1.00 M	1.708934 G	-19.27	-6.27
1.709 G	1.710 G	100.00 k	1.709992 G	-17.71	-4.71
1.710 G	1.713 G	100.00 k	1.712217 G	11.09	-21.91

Date: 12.APR.2019 11:09:28

Lowest channel

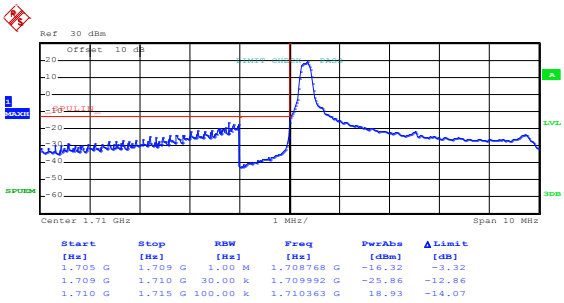


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.752 G	1.755 G	100.00 k	1.754177 G	7.89	-25.11
1.755 G	1.756 G	100.00 k	1.755008 G	-16.41	-3.41
1.756 G	1.758 G	1.00 M	1.756056 G	-20.34	-7.34

Date: 12.APR.2019 11:12:41

Highest channel

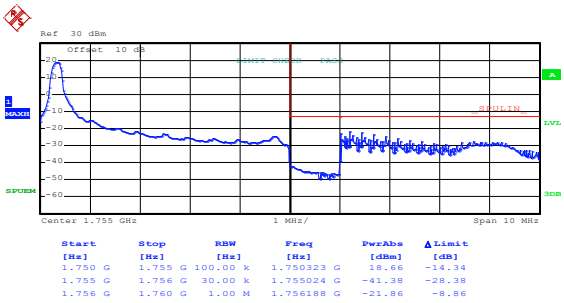
LTE Band 4, BW: 5MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.708768 G	-16.32	-3.32
1.709 G	1.710 G	30.00 k	1.709992 G	-25.86	-12.86
1.710 G	1.715 G	100.00 k	1.710363 G	18.93	-14.07

Date: 12.APR.2019 11:13:52

Lowest channel

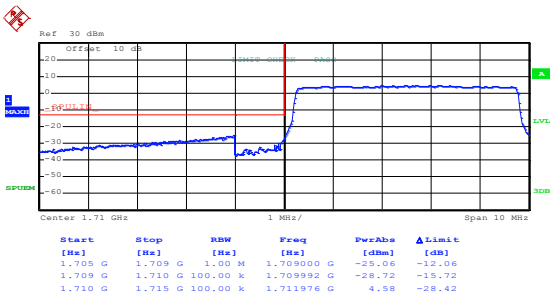


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.750323 G	18.66	-14.34
1.755 G	1.756 G	30.00 k	1.755024 G	-41.38	-28.38
1.756 G	1.760 G	1.00 M	1.756188 G	-21.86	-8.86

Date: 12.APR.2019 11:15:08

Highest channel

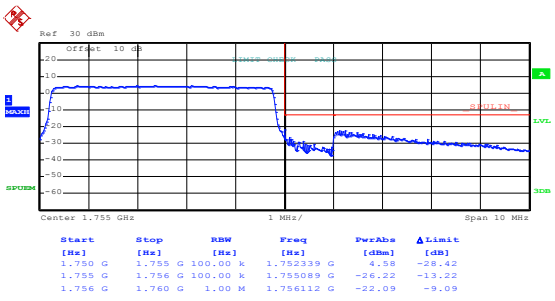
16QAM & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.705 G	1.709 G	1.00 M	1.709000 G	-25.06	-12.06
1.709 G	1.710 G	100.00 k	1.709992 G	-28.72	-15.72
1.710 G	1.715 G	100.00 k	1.711976 G	4.58	-28.42

Date: 12.APR.2019 11:14:34

Lowest channel

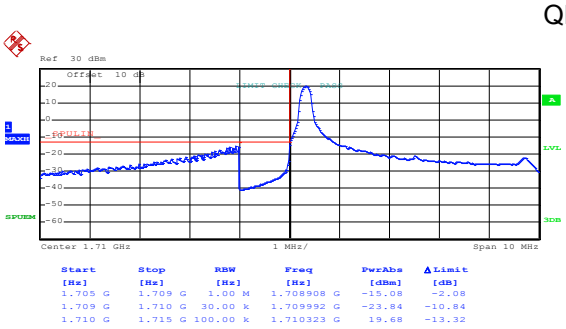


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.750 G	1.755 G	100.00 k	1.752339 G	4.58	-28.42
1.755 G	1.756 G	100.00 k	1.755089 G	-26.22	-13.22
1.756 G	1.760 G	1.00 M	1.756112 G	-22.09	-9.09

Date: 12.APR.2019 11:16:10

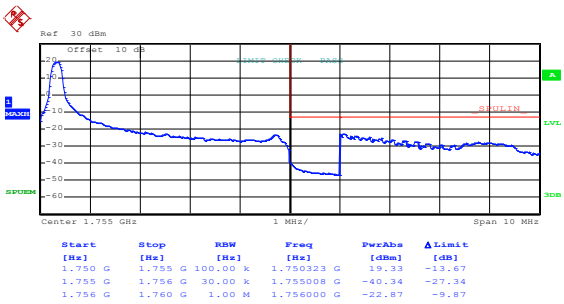
Highest channel

LTE Band 4, BW: 5MHz
QPSK & RB Size 1



Date: 12.APR.2019 11:13:43

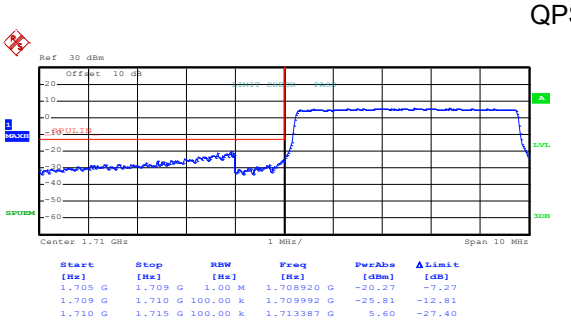
Lowest channel



Date: 12.APR.2019 11:15:00

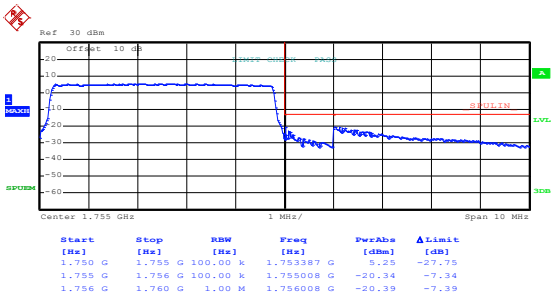
Highest channel

QPSK & RB Size 25



Date: 12.APR.2019 11:14:27

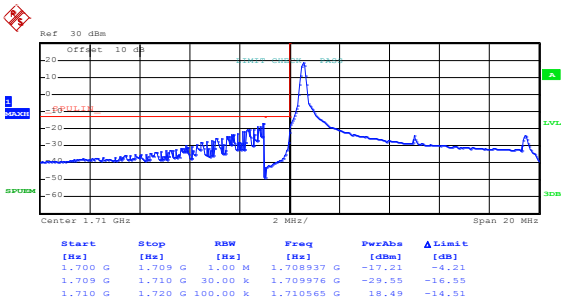
Lowest channel



Date: 12.APR.2019 11:16:02

Highest channel

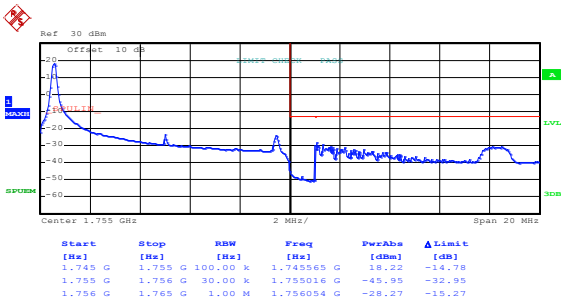
LTE Band 4, BW: 10MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.700 G	1.709 G	1.00 M	1.708937 G	-17.21	-4.21
1.709 G	1.710 G	30.00 k	1.709976 G	-29.55	-16.55
1.710 G	1.720 G	100.00 k	1.710565 G	18.49	-14.51

Date: 12.APR.2019 11:17:33

Lowest channel

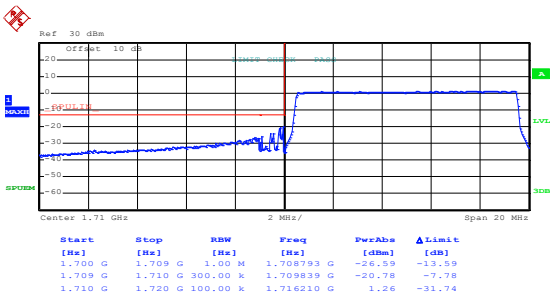


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.745 G	1.755 G	100.00 k	1.745565 G	18.22	-14.78
1.755 G	1.756 G	30.00 k	1.755016 G	-45.95	-32.95
1.756 G	1.765 G	1.00 M	1.756054 G	-28.27	-15.27

Date: 12.APR.2019 11:18:49

Highest channel

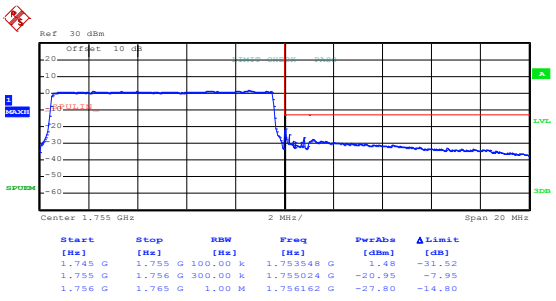
16QAM & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.700 G	1.709 G	1.00 M	1.708793 G	-26.59	-13.59
1.709 G	1.710 G	300.00 k	1.709839 G	-20.78	-7.78
1.710 G	1.720 G	100.00 k	1.716210 G	1.26	-31.74

Date: 12.APR.2019 11:18:17

Lowest channel

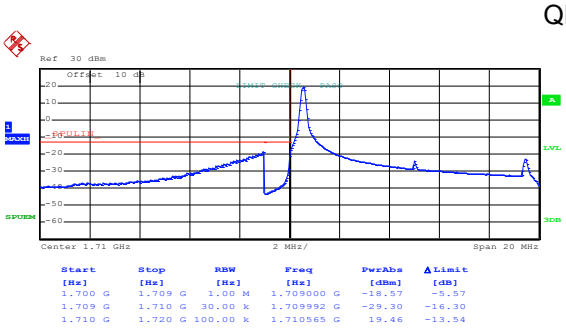


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.745 G	1.755 G	100.00 k	1.753548 G	1.48	-31.52
1.755 G	1.756 G	300.00 k	1.755024 G	-20.95	-7.95
1.756 G	1.765 G	1.00 M	1.756162 G	-27.80	-14.80

Date: 12.APR.2019 11:19:43

Highest channel

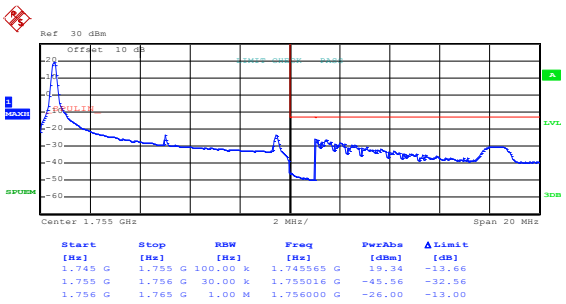
LTE Band 4, BW: 10MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.700 G	1.709 G	1.00 M	1.709000 G	-18.57	-5.57
1.709 G	1.710 G	30.00 k	1.709992 G	-29.30	-16.30
1.710 G	1.720 G	100.00 k	1.710565 G	19.46	-13.54

Date: 12.APR.2019 11:17:25

Lowest channel

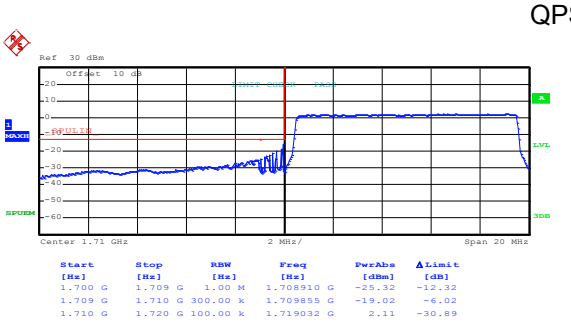


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.745 G	1.755 G	100.00 k	1.745565 G	19.34	-13.66
1.755 G	1.756 G	30.00 k	1.755016 G	-45.56	-32.56
1.756 G	1.765 G	1.00 M	1.756000 G	-26.00	-13.00

Date: 12.APR.2019 11:18:42

Highest channel

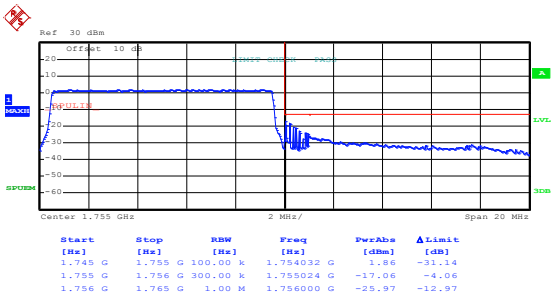
QPSK & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.700 G	1.709 G	1.00 M	1.708910 G	-25.32	-12.32
1.709 G	1.710 G	300.00 k	1.709855 G	-19.02	-6.02
1.710 G	1.720 G	100.00 k	1.719032 G	2.11	-30.89

Date: 12.APR.2019 11:18:11

Lowest channel

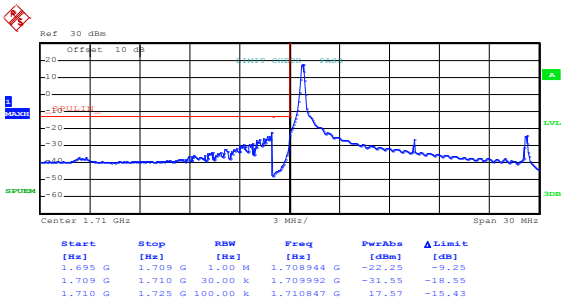


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.745 G	1.755 G	100.00 k	1.754032 G	1.86	-31.14
1.755 G	1.756 G	300.00 k	1.755024 G	-17.06	-4.06
1.756 G	1.765 G	1.00 M	1.756000 G	-25.97	-12.97

Date: 12.APR.2019 11:19:36

Highest channel

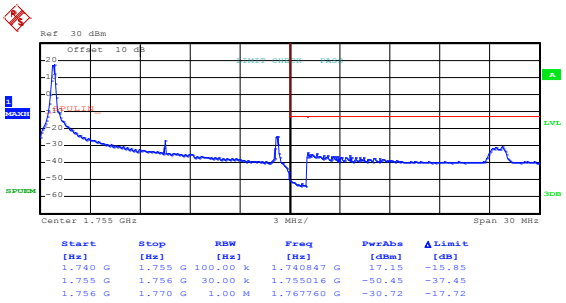
LTE Band 4, BW: 15MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.695 G	1.709 G	1.00 M	1.708944 G	-22.25	-9.25
1.709 G	1.710 G	30.00 k	1.709992 G	-31.55	-18.55
1.710 G	1.725 G	100.00 k	1.710847 G	17.57	-15.43

Date: 12.APR.2019 11:20:36

Lowest channel

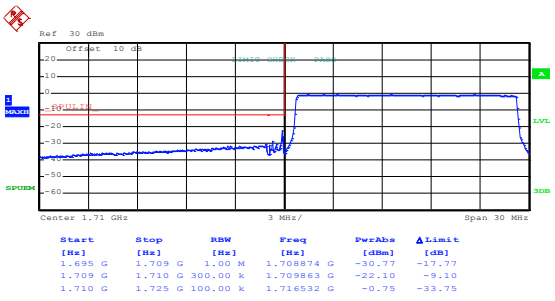


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.740 G	1.755 G	100.00 k	1.740847 G	17.15	-15.85
1.755 G	1.756 G	30.00 k	1.755016 G	-50.45	-37.45
1.756 G	1.770 G	1.00 M	1.767760 G	-30.72	-17.72

Date: 12.APR.2019 11:21:55

Highest channel

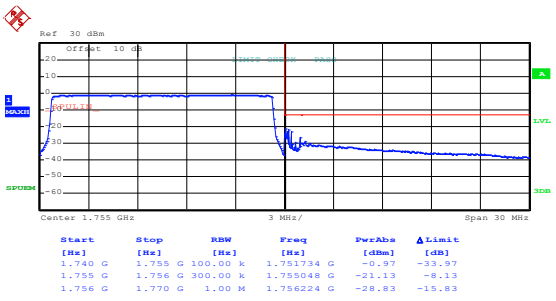
16QAM & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.695 G	1.709 G	1.00 M	1.708874 G	-30.77	-17.77
1.709 G	1.710 G	300.00 k	1.709863 G	-22.10	-9.10
1.710 G	1.725 G	100.00 k	1.716532 G	-0.75	-33.75

Date: 12.APR.2019 11:21:21

Lowest channel

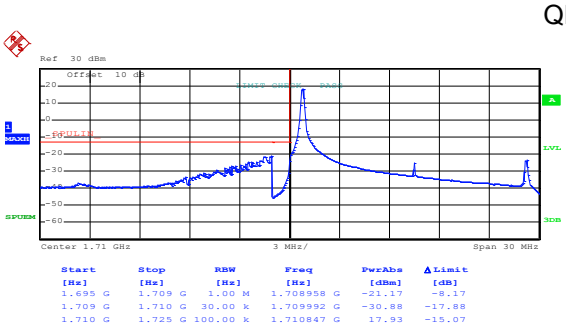


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.740 G	1.755 G	100.00 k	1.751734 G	-0.97	-33.97
1.755 G	1.756 G	300.00 k	1.755048 G	-21.13	-8.13
1.756 G	1.770 G	1.00 M	1.756224 G	-28.83	-15.83

Date: 12.APR.2019 11:22:41

Highest channel

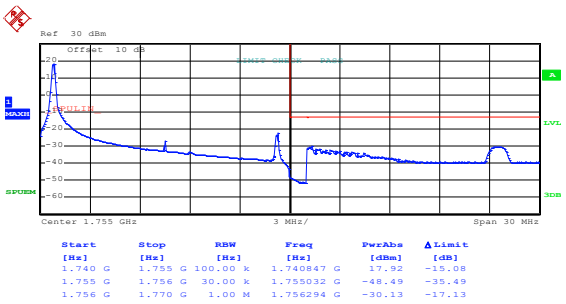
LTE Band 4, BW: 15MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.695 G	1.709 G	1.00 M	1.708958 G	-21.17	-8.17
1.709 G	1.710 G	30.00 k	1.709992 G	-30.88	-17.88
1.710 G	1.725 G	100.00 k	1.710847 G	17.93	-15.07

Date: 12.APR.2019 11:20:29

Lowest channel

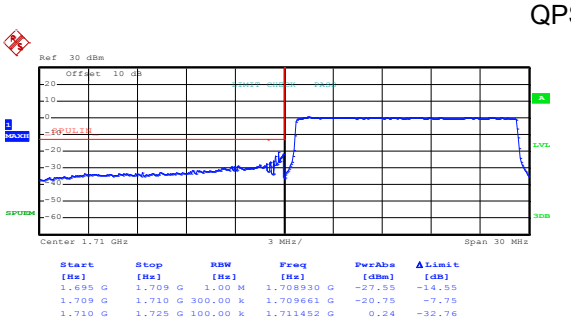


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.740 G	1.755 G	100.00 k	1.740847 G	17.92	-15.08
1.755 G	1.756 G	30.00 k	1.755032 G	-48.49	-35.49
1.756 G	1.770 G	1.00 M	1.756294 G	-30.13	-17.13

Date: 12.APR.2019 11:21:48

Highest channel

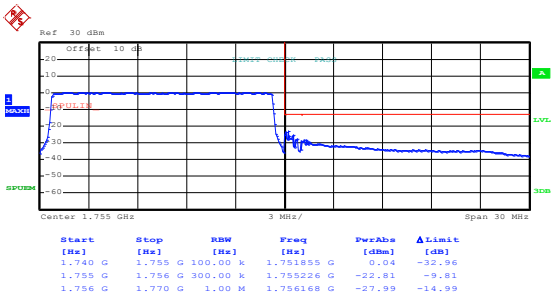
QPSK & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.695 G	1.709 G	1.00 M	1.708930 G	-27.55	-14.55
1.709 G	1.710 G	300.00 k	1.709661 G	-20.75	-7.75
1.710 G	1.725 G	100.00 k	1.711452 G	0.24	-32.76

Date: 12.APR.2019 11:21:16

Lowest channel

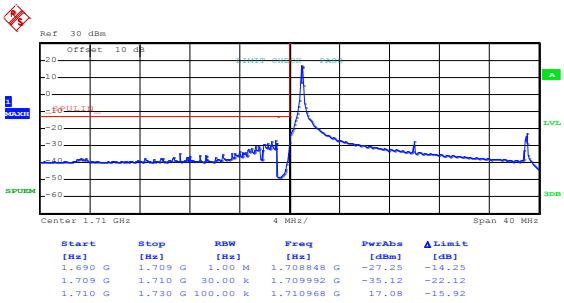


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.740 G	1.755 G	100.00 k	1.751855 G	0.04	-32.96
1.755 G	1.756 G	300.00 k	1.755226 G	-22.81	-9.81
1.756 G	1.770 G	1.00 M	1.756168 G	-27.99	-14.99

Date: 12.APR.2019 11:22:33

Highest channel

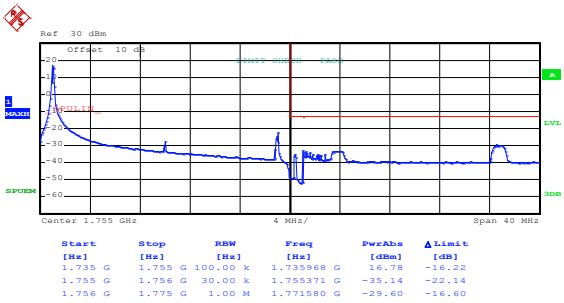
LTE Band 4, BW: 20MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.690 G	1.709 G	1.00 M	1.708848 G	-27.25	-14.25
1.709 G	1.710 G	30.00 k	1.709992 G	-35.12	-22.12
1.710 G	1.730 G	100.00 k	1.710968 G	17.08	-15.92

Date: 12.APR.2019 11:23:55

Lowest channel

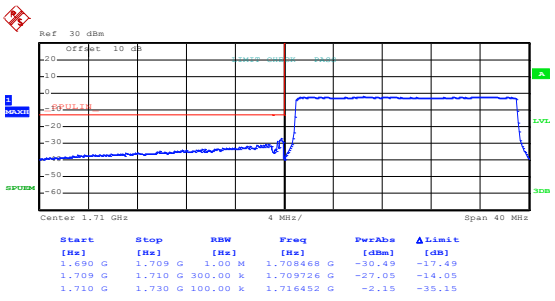


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.735 G	1.755 G	100.00 k	1.735968 G	16.78	-16.22
1.755 G	1.756 G	30.00 k	1.755371 G	-35.14	-22.14
1.756 G	1.775 G	1.00 M	1.771580 G	-29.60	-16.60

Date: 12.APR.2019 11:25:10

Highest channel

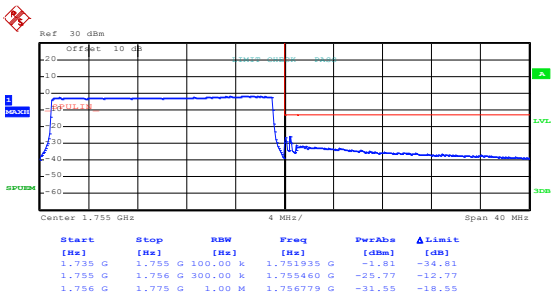
16QAM & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.690 G	1.709 G	1.00 M	1.708468 G	-30.49	-17.49
1.709 G	1.710 G	300.00 k	1.709726 G	-27.05	-14.05
1.710 G	1.730 G	100.00 k	1.716452 G	-2.15	-35.15

Date: 12.APR.2019 11:24:38

Lowest channel



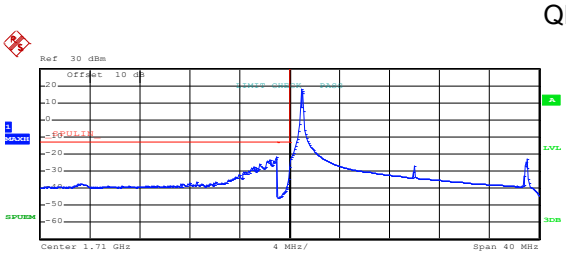
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.735 G	1.755 G	100.00 k	1.751935 G	-1.81	-34.81
1.755 G	1.756 G	300.00 k	1.755460 G	-25.77	-12.77
1.756 G	1.775 G	1.00 M	1.756779 G	-31.55	-18.55

Date: 12.APR.2019 11:25:56

Highest channel

LTE Band 4, BW: 20MHz

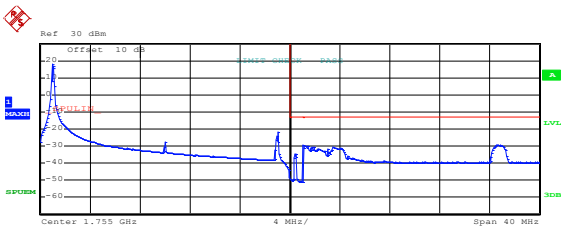
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.690 G	1.709 G	1.00 M	1.708905 G	-21.77	-8.77
1.709 G	1.710 G	30.00 k	1.709992 G	-34.77	-21.77
1.710 G	1.730 G	100.00 k	1.710968 G	17.88	-15.12

Date: 12.APR.2019 11:23:47

Lowest channel

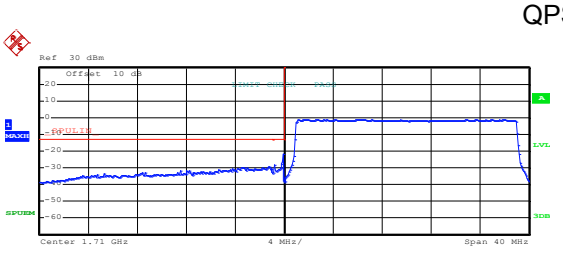


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.735 G	1.755 G	100.00 k	1.735968 G	17.88	-15.12
1.755 G	1.756 G	30.00 k	1.755371 G	-34.45	-21.45
1.756 G	1.775 G	1.00 M	1.756057 G	-29.43	-16.43

Date: 12.APR.2019 11:25:03

Highest channel

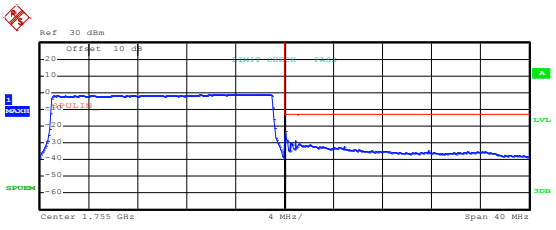
QPSK & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.690 G	1.709 G	1.00 M	1.708677 G	-29.33	-16.33
1.709 G	1.710 G	300.00 k	1.709992 G	-21.65	-8.65
1.710 G	1.730 G	100.00 k	1.714194 G	-1.19	-34.19

Date: 12.APR.2019 11:24:31

Lowest channel



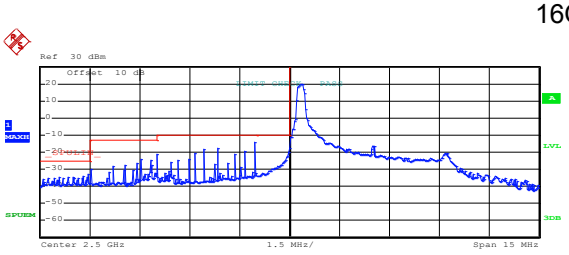
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.735 G	1.755 G	100.00 k	1.752903 G	-1.02	-34.02
1.755 G	1.756 G	300.00 k	1.755081 G	-23.00	-10.00
1.756 G	1.775 G	1.00 M	1.756209 G	-30.50	-17.50

Date: 12.APR.2019 11:25:49

Highest channel

LTE Band 7 part:

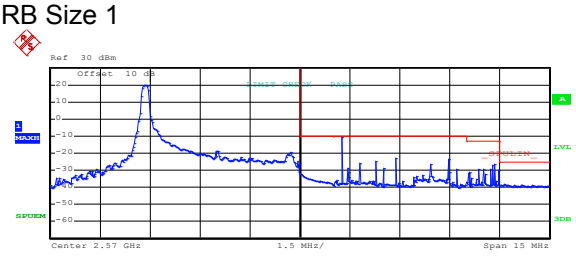
LTE Band 7, BW: 5MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.493 G	2.494 G	1.00 M	2.493915 G	-32.74	-7.74
2.494 G	2.496 G	1.00 M	2.495500 G	-24.25	-11.25
2.496 G	2.499 G	1.00 M	2.498927 G	-14.38	-4.38
2.499 G	2.500 G	30.00 k	2.499999 G	-19.80	-9.80
2.500 G	2.507 G	100.00 k	2.500322 G	20.02	-12.98

Date: 12.APR.2019 11:31:40

Lowest channel

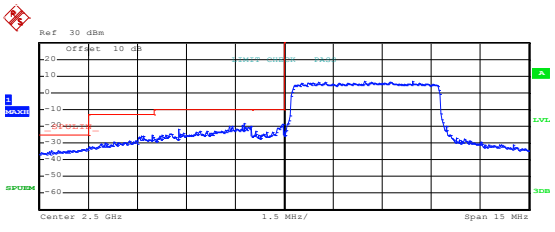


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.565305 G	19.90	-13.10
2.570 G	2.571 G	30.00 k	2.570029 G	-32.19	-22.19
2.571 G	2.575 G	1.00 M	2.571258 G	-10.74	-0.74
2.575 G	2.576 G	1.00 M	2.575855 G	-26.24	-13.24
2.576 G	2.578 G	1.00 M	2.576060 G	-37.73	-12.73

Date: 12.APR.2019 11:33:56

Highest channel

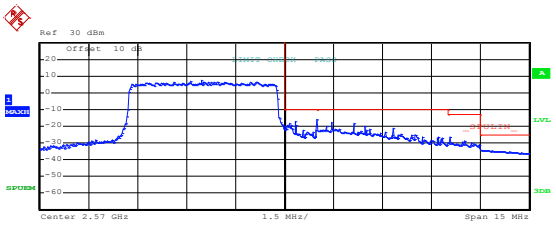
16QAM & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.493 G	2.494 G	1.00 M	2.493915 G	-33.67	-8.67
2.494 G	2.496 G	1.00 M	2.495935 G	-25.11	-12.11
2.496 G	2.499 G	1.00 M	2.498758 G	-18.17	-8.17
2.499 G	2.500 G	100.00 k	2.499964 G	-18.61	-8.61
2.500 G	2.507 G	100.00 k	2.503938 G	6.80	-26.20

Date: 12.APR.2019 11:32:48

Lowest channel

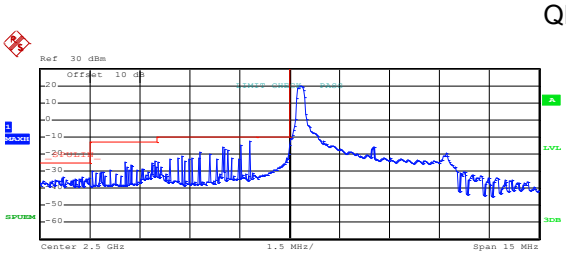


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.567450 G	7.25	-25.75
2.570 G	2.571 G	100.00 k	2.570320 G	-17.19	-7.19
2.571 G	2.575 G	1.00 M	2.571000 G	-15.62	-5.62
2.575 G	2.576 G	1.00 M	2.575073 G	-26.21	-13.21
2.576 G	2.578 G	1.00 M	2.576109 G	-34.36	-9.36

Date: 12.APR.2019 11:34:52

Highest channel

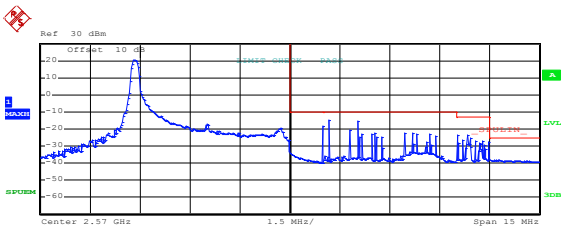
LTE Band 7, BW: 5MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.493 G	2.494 G	1.00 M	2.493734 G	-33.41	-8.41
2.494 G	2.496 G	1.00 M	2.495935 G	-24.03	-11.03
2.496 G	2.499 G	1.00 M	2.498782 G	-12.24	-2.24
2.499 G	2.500 G	30.00 k	2.499985 G	-19.73	-9.73
2.500 G	2.507 G	100.00 k	2.500315 G	20.01	-12.99

Date: 12.APR.2019 11:31:24

Lowest channel

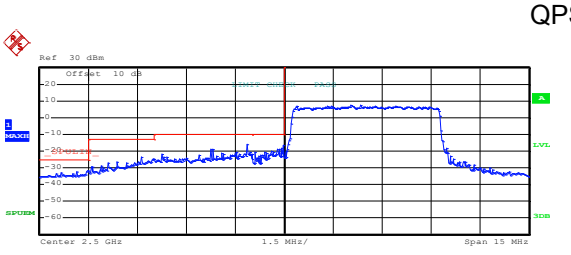


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.565342 G	20.55	-12.45
2.570 G	2.571 G	30.00 k	2.570001 G	-33.84	-23.84
2.571 G	2.575 G	1.00 M	2.571161 G	-14.78	-4.78
2.575 G	2.576 G	1.00 M	2.575024 G	-23.40	-10.40
2.576 G	2.578 G	1.00 M	2.576024 G	-38.19	-13.19

Date: 12.APR.2019 11:33:42

Highest channel

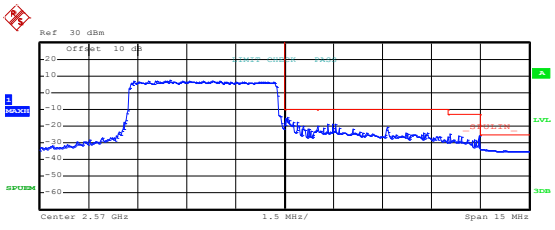
QPSK & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.493 G	2.494 G	1.00 M	2.493952 G	-31.68	-6.68
2.494 G	2.496 G	1.00 M	2.495613 G	-23.70	-10.70
2.496 G	2.499 G	1.00 M	2.498831 G	-15.93	-5.93
2.499 G	2.500 G	100.00 k	2.499976 G	-16.35	-6.35
2.500 G	2.507 G	100.00 k	2.502025 G	7.67	-25.33

Date: 12.APR.2019 11:32:37

Lowest channel

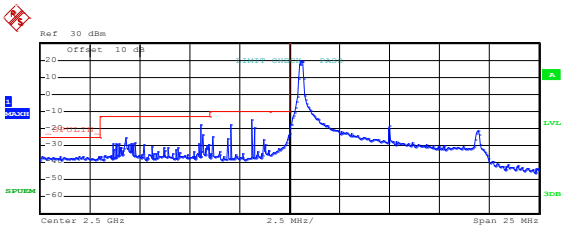


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.563 G	2.570 G	100.00 k	2.566475 G	7.32	-25.68
2.570 G	2.571 G	100.00 k	2.570077 G	-14.51	-4.51
2.571 G	2.575 G	1.00 M	2.571484 G	-18.59	-8.59
2.575 G	2.576 G	1.00 M	2.575073 G	-24.56	-11.56
2.576 G	2.578 G	1.00 M	2.576012 G	-34.03	-9.03

Date: 12.APR.2019 11:34:43

Highest channel

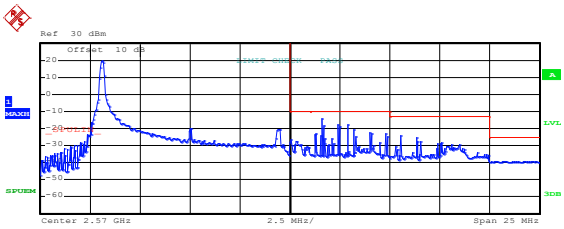
LTE Band 7, BW: 10MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.487578 G	-36.13	-11.13
2.490 G	2.496 G	1.00 M	2.495554 G	-17.67	-4.67
2.496 G	2.499 G	1.00 M	2.498081 G	-14.61	-4.61
2.499 G	2.500 G	30.00 k	2.499999 G	-24.30	-14.30
2.500 G	2.513 G	100.00 k	2.500563 G	19.65	-13.35

Date: 12.APR.2019 11:37:21

Lowest channel

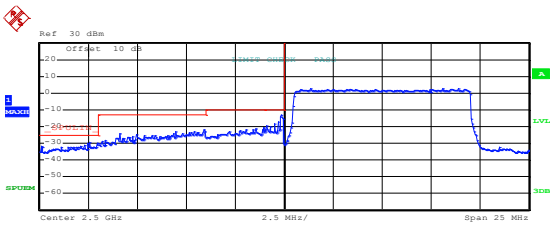


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.560575 G	19.75	-13.25
2.570 G	2.571 G	100.00 k	2.570064 G	-26.52	-16.52
2.571 G	2.575 G	1.00 M	2.571596 G	-14.36	-4.36
2.575 G	2.580 G	1.00 M	2.575540 G	-24.23	-11.23
2.580 G	2.583 G	1.00 M	2.582092 G	-38.86	-13.86

Date: 12.APR.2019 11:38:51

Highest channel

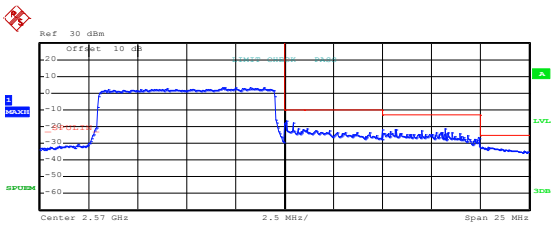
16QAM & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490065 G	-29.54	-4.54
2.490 G	2.496 G	1.00 M	2.495874 G	-21.76	-8.76
2.496 G	2.499 G	1.00 M	2.498927 G	-20.54	-10.54
2.499 G	2.500 G	300.00 k	2.499849 G	-12.75	-2.75
2.500 G	2.513 G	100.00 k	2.501350 G	2.66	-30.34

Date: 12.APR.2019 11:38:11

Lowest channel

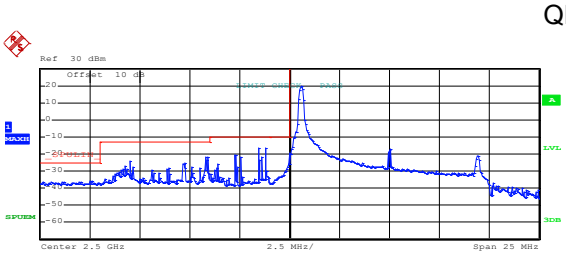


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.568262 G	3.56	-29.44
2.570 G	2.571 G	300.00 k	2.570119 G	-16.21	-6.21
2.571 G	2.575 G	1.00 M	2.571129 G	-21.41	-11.41
2.575 G	2.580 G	1.00 M	2.578205 G	-21.26	-8.26
2.580 G	2.583 G	1.00 M	2.580097 G	-31.54	-6.54

Date: 12.APR.2019 11:40:23

Highest channel

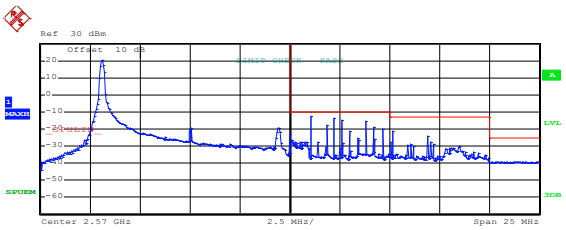
LTE Band 7, BW: 10MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490011 G	-35.90	-10.90
2.490 G	2.496 G	1.00 M	2.495890 G	-21.51	-8.51
2.496 G	2.499 G	1.00 M	2.498419 G	-16.51	-6.51
2.499 G	2.500 G	30.00 k	2.499969 G	-25.82	-15.82
2.500 G	2.513 G	100.00 k	2.500588 G	19.91	-13.09

Date: 12.APR.2019 11:37:11

Lowest channel

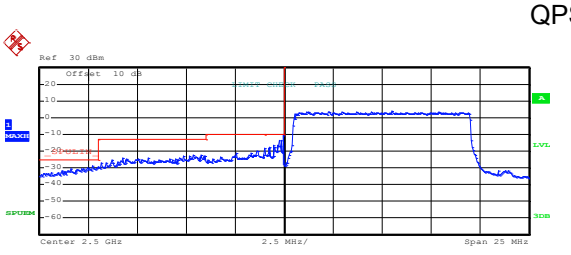


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.560575 G	20.10	-12.90
2.570 G	2.571 G	100.00 k	2.570023 G	-22.92	-12.92
2.571 G	2.575 G	1.00 M	2.571044 G	-12.63	-2.63
2.575 G	2.580 G	1.00 M	2.575170 G	-21.30	-8.30
2.580 G	2.583 G	1.00 M	2.582117 G	-39.24	-14.24

Date: 12.APR.2019 11:38:43

Highest channel

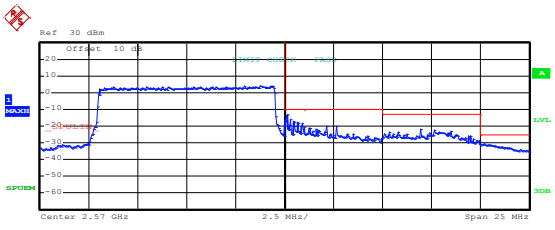
QPSK & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.487 G	2.490 G	1.00 M	2.490179 G	-29.03	-4.03
2.490 G	2.496 G	1.00 M	2.495351 G	-22.09	-9.09
2.496 G	2.499 G	1.00 M	2.498613 G	-20.11	-10.11
2.499 G	2.500 G	300.00 k	2.499994 G	-10.46	-0.46
2.500 G	2.513 G	100.00 k	2.505513 G	3.74	-29.26

Date: 12.APR.2019 11:38:03

Lowest channel

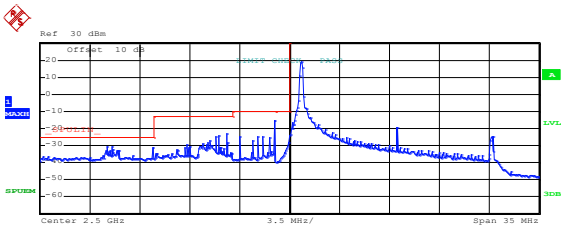


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.558 G	2.570 G	100.00 k	2.568750 G	4.13	-28.87
2.570 G	2.571 G	300.00 k	2.570131 G	-12.97	-2.97
2.571 G	2.575 G	1.00 M	2.572129 G	-19.74	-9.74
2.575 G	2.580 G	1.00 M	2.576960 G	-21.92	-8.92
2.580 G	2.583 G	1.00 M	2.580052 G	-30.55	-5.55

Date: 12.APR.2019 11:40:15

Highest channel

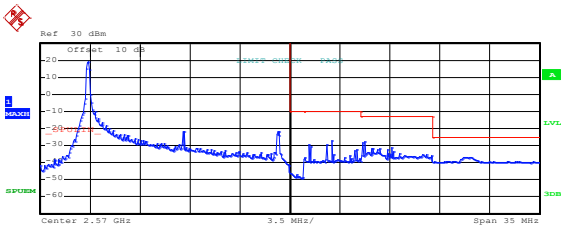
LTE Band 7, BW: 15MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.487548 G	-30.31	-5.31
2.490 G	2.496 G	1.00 M	2.495615 G	-22.98	-9.98
2.496 G	2.499 G	1.00 M	2.498927 G	-15.44	-5.44
2.499 G	2.500 G	30.00 k	2.499990 G	-28.17	-18.17
2.500 G	2.518 G	100.00 k	2.500805 G	19.46	-13.54

Date: 12.APR.2019 11:41:18

Lowest channel

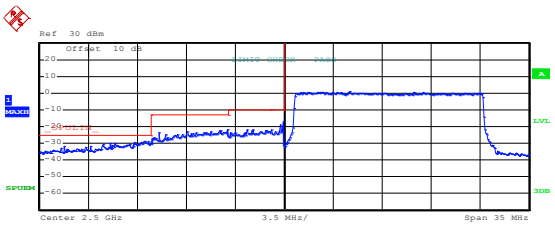


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.555842 G	19.23	-13.77
2.570 G	2.571 G	30.00 k	2.570045 G	-45.06	-35.06
2.571 G	2.575 G	1.00 M	2.572903 G	-27.20	-17.20
2.575 G	2.580 G	1.00 M	2.575275 G	-27.70	-14.70
2.580 G	2.587 G	1.00 M	2.582603 G	-36.69	-11.69

Date: 12.APR.2019 11:43:02

Highest channel

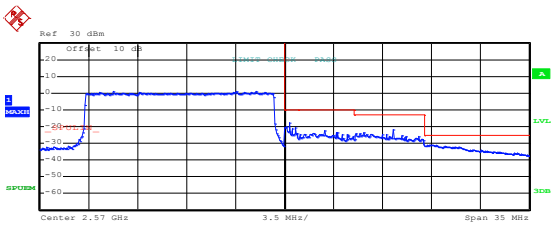
16QAM & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.490020 G	-28.49	-3.49
2.490 G	2.496 G	1.00 M	2.495967 G	-21.63	-8.63
2.496 G	2.499 G	1.00 M	2.497742 G	-21.69	-11.69
2.499 G	2.500 G	300.00 k	2.499906 G	-16.89	-6.89
2.500 G	2.518 G	100.00 k	2.504672 G	0.98	-32.02

Date: 12.APR.2019 11:42:09

Lowest channel

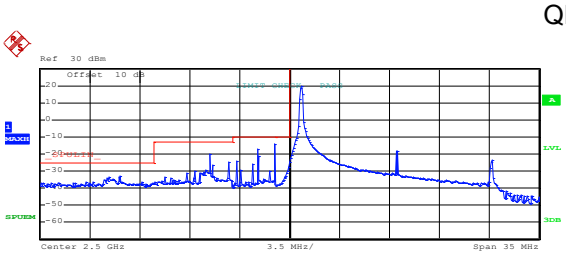


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.567970 G	0.97	-32.03
2.570 G	2.571 G	300.00 k	2.570365 G	-17.70	-7.70
2.571 G	2.575 G	1.00 M	2.572871 G	-22.58	-12.58
2.575 G	2.580 G	1.00 M	2.577765 G	-21.68	-8.68
2.580 G	2.587 G	1.00 M	2.580652 G	-30.61	-5.61

Date: 12.APR.2019 11:43:54

Highest channel

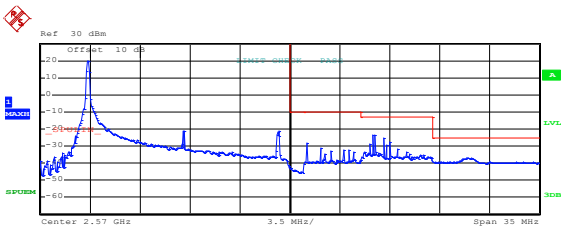
LTE Band 7, BW: 15MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.488124 G	-33.13	-8.13
2.490 G	2.496 G	1.00 M	2.494366 G	-19.79	-6.79
2.496 G	2.499 G	1.00 M	2.498976 G	-14.19	-4.19
2.499 G	2.500 G	30.00 k	2.499983 G	-27.41	-17.41
2.500 G	2.518 G	100.00 k	2.500822 G	19.53	-13.47

Date: 12.APR.2019 11:41:10

Lowest channel

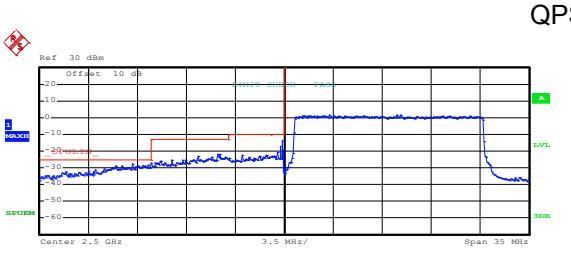


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.555842 G	19.78	-13.22
2.570 G	2.571 G	30.00 k	2.570044 G	-43.06	-33.06
2.571 G	2.575 G	1.00 M	2.571161 G	-28.06	-18.06
2.575 G	2.580 G	1.00 M	2.575775 G	-23.35	-10.35
2.580 G	2.587 G	1.00 M	2.582745 G	-36.69	-11.69

Date: 12.APR.2019 11:42:51

Highest channel

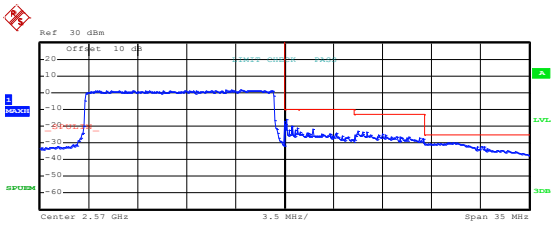
QPSK & RB Size 75



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.482 G	2.490 G	1.00 M	2.489140 G	-27.66	-2.66
2.490 G	2.496 G	1.00 M	2.495241 G	-21.58	-8.58
2.496 G	2.499 G	1.00 M	2.496992 G	-22.53	-12.53
2.499 G	2.500 G	300.00 k	2.499888 G	-13.47	-3.47
2.500 G	2.518 G	100.00 k	2.503220 G	1.66	-31.34

Date: 12.APR.2019 11:42:00

Lowest channel

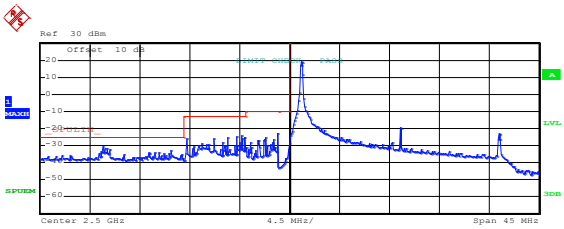


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.553 G	2.570 G	100.00 k	2.566902 G	1.76	-31.24
2.570 G	2.571 G	300.00 k	2.570152 G	-15.62	-5.62
2.571 G	2.575 G	1.00 M	2.571968 G	-22.03	-12.03
2.575 G	2.580 G	1.00 M	2.575250 G	-22.89	-9.89
2.580 G	2.587 G	1.00 M	2.582092 G	-29.51	-4.51

Date: 12.APR.2019 11:43:45

Highest channel

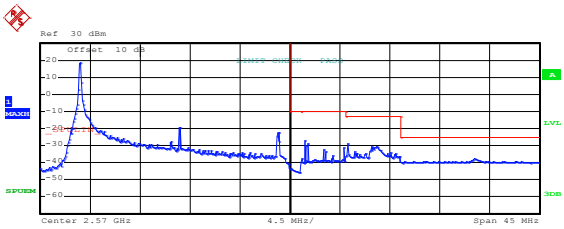
LTE Band 7, BW: 20MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.483142 G	-30.43	-5.43
2.490 G	2.496 G	1.00 M	2.495681 G	-23.87	-10.87
2.496 G	2.499 G	1.00 M	2.498855 G	-23.03	-13.03
2.499 G	2.500 G	30.00 k	2.499982 G	-32.19	-22.19
2.500 G	2.523 G	100.00 k	2.501103 G	19.36	-13.64

Date: 12.APR.2019 11:44:50

Lowest channel

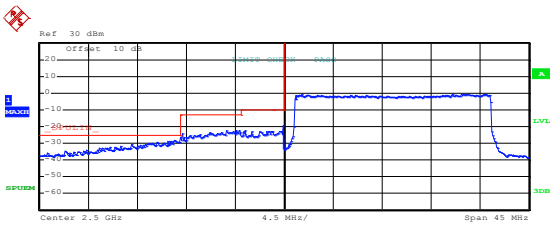


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.551055 G	18.56	-14.44
2.570 G	2.571 G	30.00 k	2.570107 G	-43.43	-33.43
2.571 G	2.575 G	1.00 M	2.571355 G	-27.14	-17.14
2.575 G	2.580 G	1.00 M	2.575210 G	-28.53	-15.53
2.580 G	2.592 G	1.00 M	2.586613 G	-37.61	-12.61

Date: 12.APR.2019 11:47:30

Highest channel

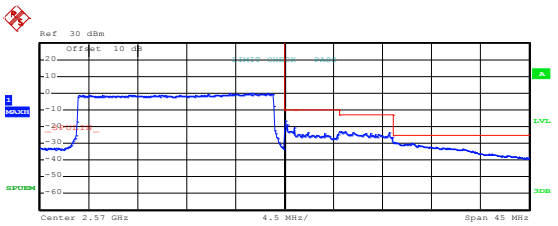
16QAM & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.489876 G	-27.91	-2.91
2.490 G	2.496 G	1.00 M	2.495549 G	-22.20	-9.20
2.496 G	2.499 G	1.00 M	2.496411 G	-22.50	-12.50
2.499 G	2.500 G	300.00 k	2.499993 G	-19.35	-9.35
2.500 G	2.523 G	100.00 k	2.516605 G	-0.64	-33.64

Date: 12.APR.2019 11:45:43

Lowest channel

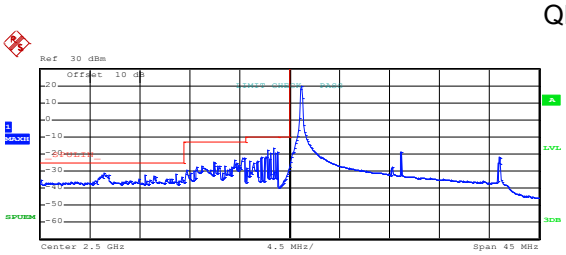


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.568470 G	-0.16	-33.16
2.570 G	2.571 G	300.00 k	2.570102 G	-16.39	-6.39
2.571 G	2.575 G	1.00 M	2.572097 G	-23.72	-13.72
2.575 G	2.580 G	1.00 M	2.575550 G	-22.69	-9.69
2.580 G	2.592 G	1.00 M	2.580112 G	-29.61	-4.61

Date: 12.APR.2019 11:48:24

Highest channel

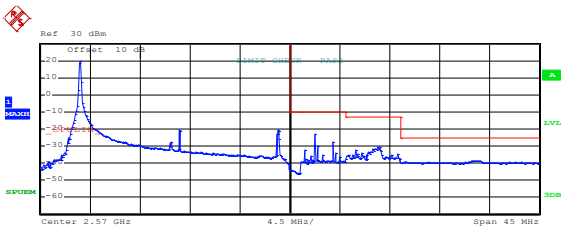
LTE Band 7, BW: 20MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.483285 G	-31.00	-6.00
2.490 G	2.496 G	1.00 M	2.495934 G	-22.11	-9.11
2.496 G	2.499 G	1.00 M	2.498516 G	-16.47	-6.47
2.499 G	2.500 G	30.00 k	2.499999 G	-29.50	-19.50
2.500 G	2.523 G	100.00 k	2.501103 G	19.77	-13.23

Date: 12.APR.2019 11:44:36

Lowest channel

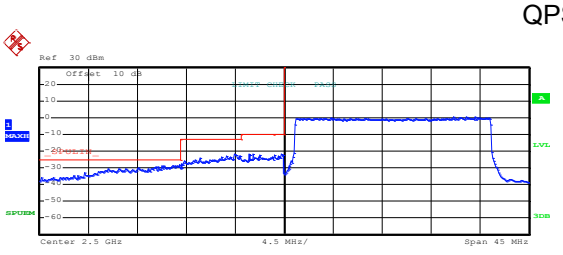


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.551100 G	19.86	-13.14
2.570 G	2.571 G	30.00 k	2.570052 G	-44.15	-34.15
2.571 G	2.575 G	1.00 M	2.572258 G	-22.83	-12.83
2.575 G	2.580 G	1.00 M	2.578075 G	-30.24	-17.24
2.580 G	2.592 G	1.00 M	2.586375 G	-38.70	-13.70

Date: 12.APR.2019 11:47:18

Highest channel

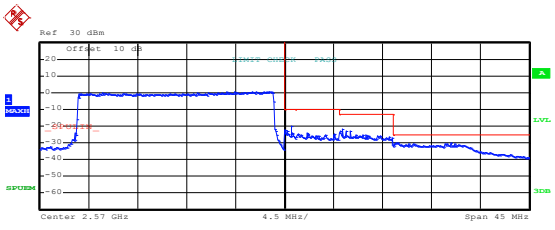
QPSK & RB Size 100



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.478 G	2.490 G	1.00 M	2.490396 G	-27.98	-2.98
2.490 G	2.496 G	1.00 M	2.495395 G	-21.49	-8.49
2.496 G	2.499 G	1.00 M	2.496774 G	-21.69	-11.69
2.499 G	2.500 G	300.00 k	2.499702 G	-21.64	-11.64
2.500 G	2.523 G	100.00 k	2.517505 G	0.39	-32.61

Date: 12.APR.2019 11:45:35

Lowest channel



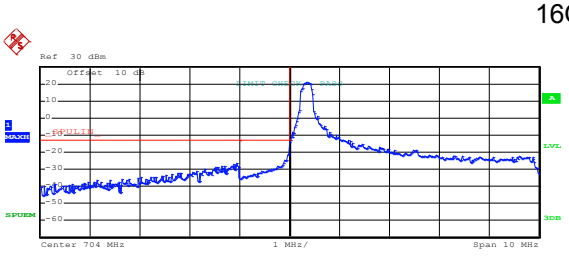
Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
2.547 G	2.570 G	100.00 k	2.567413 G	0.56	-32.44
2.570 G	2.571 G	300.00 k	2.570649 G	-20.05	-10.05
2.571 G	2.575 G	1.00 M	2.572032 G	-24.13	-14.13
2.575 G	2.580 G	1.00 M	2.575345 G	-21.87	-8.87
2.580 G	2.592 G	1.00 M	2.580250 G	-30.05	-5.05

Date: 12.APR.2019 11:48:15

Highest channel

LTE Band 17 part:

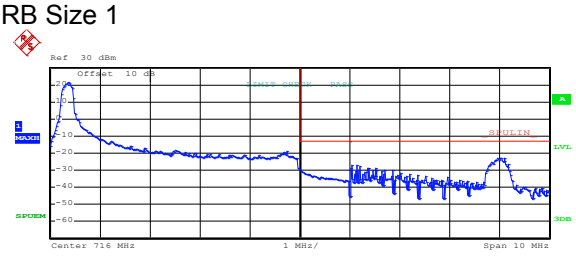
LTE Band 17, BW: 5MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
699.000 M	703.000 M	100.00 k	702.932000 M	-26.45	-13.45
703.000 M	704.000 M	30.00 k	703.999000 M	-21.21	-8.21
704.000 M	709.000 M	100.00 k	704.365000 M	21.06	-11.94

Date: 12.APR.2019 11:51:47

Lowest channel

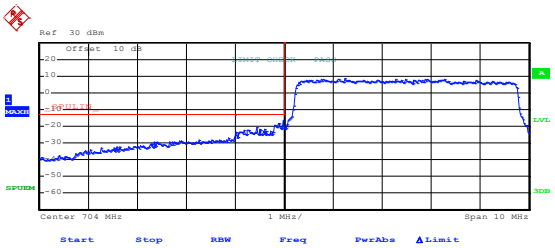


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
711.000 M	716.000 M	100.00 k	711.355000 M	21.63	-11.37
716.000 M	717.000 M	30.00 k	716.015000 M	-30.56	-17.56
717.000 M	721.000 M	100.00 k	719.948000 M	-23.01	-10.01

Date: 12.APR.2019 11:53:58

Highest channel

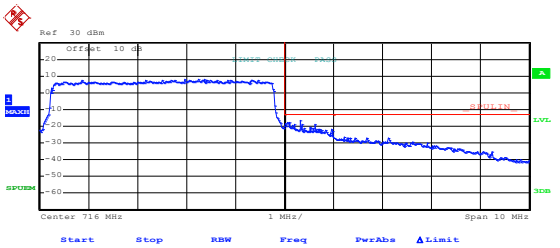
16QAM & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
699.000 M	703.000 M	100.00 k	702.968000 M	-27.23	-14.23
703.000 M	704.000 M	100.00 k	703.992000 M	-16.37	-3.37
704.000 M	709.000 M	100.00 k	705.240000 M	8.66	-24.34

Date: 12.APR.2019 11:53:11

Lowest channel

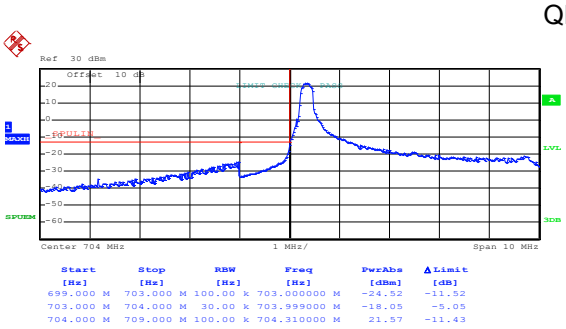


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
711.000 M	716.000 M	100.00 k	714.235000 M	8.01	-24.99
716.000 M	717.000 M	100.00 k	716.310000 M	-16.72	-3.72
717.000 M	721.000 M	100.00 k	717.008000 M	-26.17	-13.17

Date: 12.APR.2019 11:55:01

Highest channel

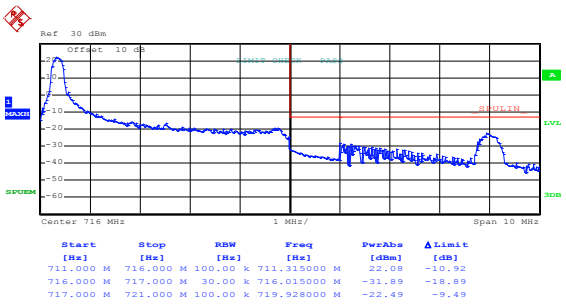
LTE Band 17, BW: 5MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
699.000 M	703.000 M	100.00 k	703.000000 M	-24.52	-11.52
703.000 M	704.000 M	30.00 k	703.999000 M	-18.05	-5.05
704.000 M	709.000 M	100.00 k	704.310000 M	21.57	-11.43

Date: 12.APR.2019 11:51:37

Lowest channel

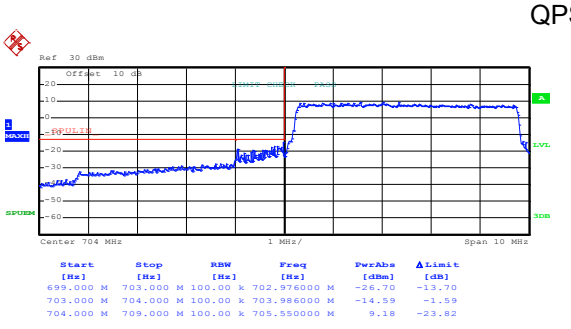


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
711.000 M	716.000 M	100.00 k	711.315000 M	22.08	-10.92
716.000 M	717.000 M	30.00 k	716.015000 M	-31.89	-18.89
717.000 M	721.000 M	100.00 k	719.928000 M	-22.49	-9.49

Date: 12.APR.2019 11:53:47

Highest channel

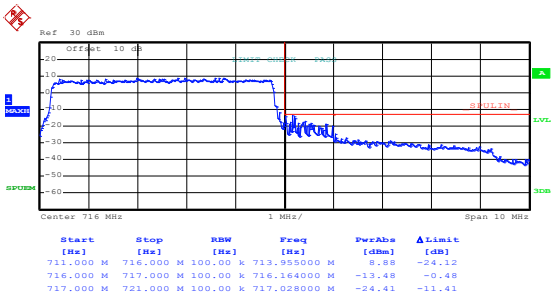
QPSK & RB Size 25



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
699.000 M	703.000 M	100.00 k	702.976000 M	-26.70	-13.70
703.000 M	704.000 M	100.00 k	703.986000 M	-14.59	-1.59
704.000 M	709.000 M	100.00 k	705.550000 M	9.18	-23.82

Date: 12.APR.2019 11:52:59

Lowest channel

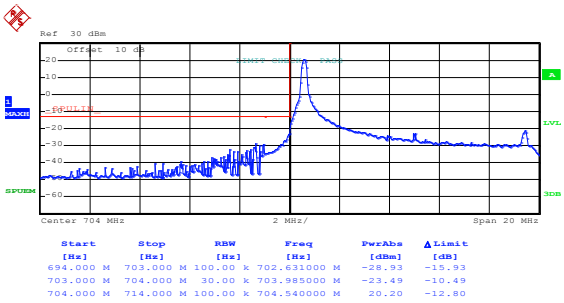


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
711.000 M	716.000 M	100.00 k	713.955000 M	8.88	-24.12
716.000 M	717.000 M	100.00 k	716.164000 M	-13.48	-0.48
717.000 M	721.000 M	100.00 k	717.028000 M	-24.41	-11.41

Date: 12.APR.2019 11:54:51

Highest channel

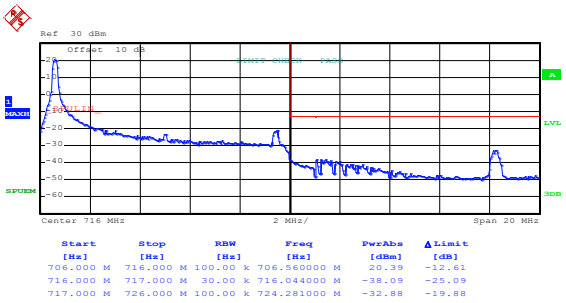
LTE Band 17, BW: 10MHz
16QAM & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
694.000 M	703.000 M	100.00 k	702.631000 M	-28.93	-15.93
703.000 M	704.000 M	30.00 k	703.985000 M	-23.49	-10.49
704.000 M	714.000 M	100.00 k	704.540000 M	20.20	-12.80

Date: 12.APR.2019 11:55:57

Lowest channel

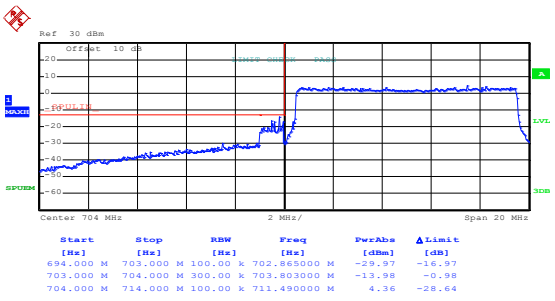


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
706.000 M	716.000 M	100.00 k	706.560000 M	20.39	-12.61
716.000 M	717.000 M	30.00 k	716.044000 M	-38.09	-25.09
717.000 M	726.000 M	100.00 k	724.281000 M	-32.88	-19.88

Date: 12.APR.2019 11:57:34

Highest channel

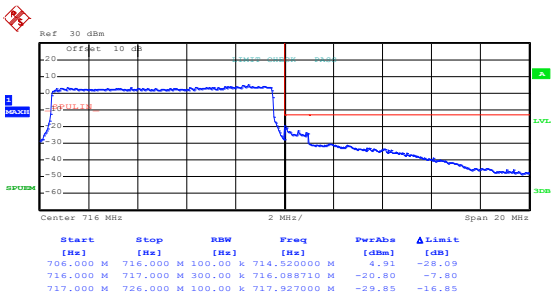
16QAM & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
694.000 M	703.000 M	100.00 k	702.865000 M	-29.97	-16.97
703.000 M	704.000 M	300.00 k	703.803000 M	-13.98	-0.98
704.000 M	714.000 M	100.00 k	711.490000 M	4.36	-28.64

Date: 12.APR.2019 11:57:01

Lowest channel

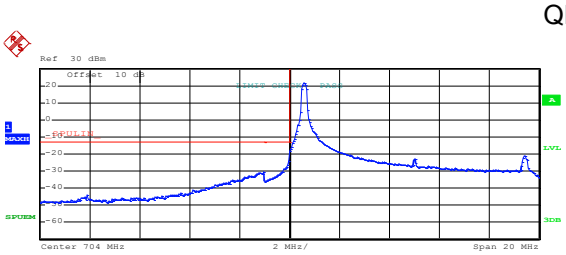


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
706.000 M	716.000 M	100.00 k	714.520000 M	4.91	-28.09
716.000 M	717.000 M	300.00 k	716.088710 M	-20.80	-7.80
717.000 M	726.000 M	100.00 k	717.927000 M	-29.85	-16.85

Date: 12.APR.2019 11:59:06

Highest channel

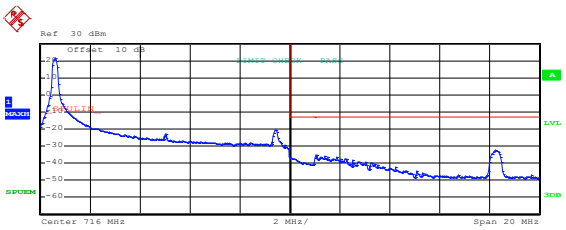
LTE Band 17, BW: 10MHz
QPSK & RB Size 1



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
694.000 M	703.000 M	100.00 k	702.991000 M	-30.28	-17.28
703.000 M	704.000 M	30.00 k	703.990000 M	-24.39	-11.39
704.000 M	714.000 M	100.00 k	704.590000 M	21.23	-11.77

Date: 12.APR.2019 11:55:48

Lowest channel

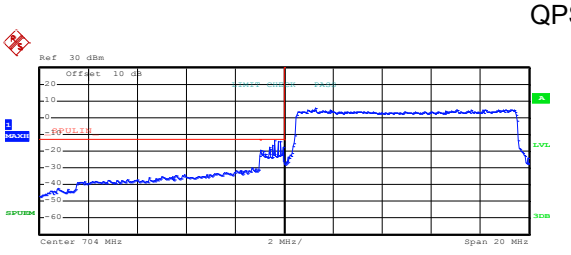


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
706.000 M	716.000 M	100.00 k	706.580000 M	21.23	-11.77
716.000 M	717.000 M	30.00 k	716.029000 M	-36.71	-23.71
717.000 M	726.000 M	100.00 k	724.227000 M	-32.47	-19.47

Date: 12.APR.2019 11:57:26

Highest channel

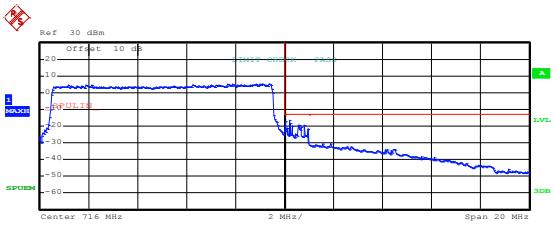
QPSK & RB Size 50



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
694.000 M	703.000 M	100.00 k	702.676000 M	-30.09	-17.09
703.000 M	704.000 M	300.00 k	703.583000 M	-13.48	-0.48
704.000 M	714.000 M	100.00 k	705.260000 M	5.65	-27.35

Date: 12.APR.2019 11:56:47

Lowest channel

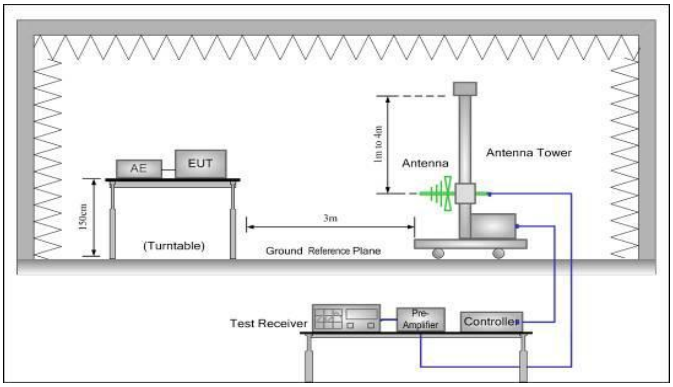
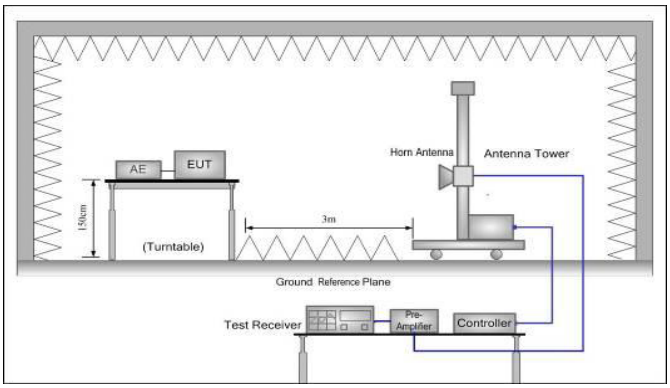


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
706.000 M	716.000 M	100.00 k	715.120000 M	5.41	-27.59
716.000 M	717.000 M	300.00 k	716.193548 M	-16.29	-3.29
717.000 M	726.000 M	100.00 k	717.567000 M	-30.55	-17.55

Date: 12.APR.2019 11:58:55

Highest channel

6.5 Field strength of spurious radiation measurement

Test Requirement:	Part 22.917(b), Part 24.238 (a), Part 27.53(g), Part 27.53(m), Part 27.53(h)
Test Method:	ANSI/TIA-603-D 2010
Limit:	LTE Band 2 & 4 & 7 & 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$(P) dB (-13 dBm). LTE Band 7: For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz.
Test setup:	Below 1GHz  Above 1GHz 
Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission

	was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB)
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details.
Test results:	Passed

Measurement Data:

LTE Band 2 part:

LTE Band 2, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3701.40	Vertical	-50.73	-13.00	Pass
5552.10	V	-44.56		
7402.00	V	-38.98		
3701.40	Horizontal	-51.09		
5552.10	H	-45.31		
7402.00	H	-39.67		
Middle Channel				
3760.00	Vertical	-49.62	-13.00	Pass
5640.00	V	-45.11		
7520.00	V	-39.62		
3760.00	Horizontal	-52.12		
5640.00	H	-44.15		
7520.00	H	-38.66		
Highest Channel				
3816.60	Vertical	-49.62	-13.00	Pass
5724.90	V	-45.11		
7633.20	V	-39.74		
3816.60	Horizontal	-52.24		
5724.90	H	-46.67		
7633.20	H	-39.19		

Note:
1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.
2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 2, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3703.00	Vertical	-45.26	-13.00	Pass
5554.50	V	-43.60		
7406.00	V	-36.62		
3703.00	Horizontal	-51.45		
5554.50	H	-45.79		
7406.00	H	-36.64		
Middle Channel				
3760.00	Vertical	-45.52	-13.00	Pass
5640.00	V	-46.19		
7520.00	V	-39.79		
3760.00	Horizontal	-51.42		
5640.00	H	-46.73		
7520.00	H	-36.81		
Highest Channel				
3817.00	Vertical	-46.25	-13.00	Pass
5725.50	V	-42.49		
7634.00	V	-40.95		
3817.00	Horizontal	-52.73		
5725.50	H	-45.25		
7634.00	H	-39.49		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 2, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3705.00	Vertical	-49.52	-13.00	Pass
5557.50	V	-45.21		
7410.00	V	-39.64		
3705.00	Horizontal	-52.22		
5557.50	H	-45.27		
7410.00	H	-40.16		
Middle Channel				
3760.00	Vertical	-48.62	-13.00	Pass
5640.00	V	-44.63		
7520.00	V	-39.67		
3760.00	Horizontal	-51.45		
5640.00	H	-45.13		
7520.00	H	-39.79		
Highest Channel				
3815.00	Vertical	-48.12	-13.00	Pass
5722.50	V	-44.65		
7630.00	V	-39.69		
3815.00	Horizontal	-51.57		
5722.50	H	-45.72		
7630.00	H	-40.15		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 2, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3710.00	Vertical	-47.62	-13.00	Pass
5565.00	V	-45.25		
7420.00	V	-37.95		
3710.00	Horizontal	-51.45		
5565.00	H	-46.31		
7420.00	H	-37.49		
Middle Channel				
3760.00	Vertical	-46.62	-13.00	Pass
5640.00	V	-45.11		
7520.00	V	-39.76		
3760.00	Horizontal	-52.25		
5640.00	H	-45.19		
7520.00	H	-37.90		
Highest Channel				
3810.00	Vertical	-45.12	-13.00	Pass
5715.00	V	-46.39		
7620.00	V	-39.52		
3810.00	Horizontal	-51.43		
5715.00	H	-43.69		
7620.00	H	-40.78		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 2, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3715.00	Vertical	-49.85	-13.00	Pass
5572.50	V	-44.36		
7430.00	V	-39.61		
3715.00	Horizontal	-51.24		
5572.50	H	-46.36		
7430.00	H	-39.75		
Middle Channel				
3760.00	Vertical	-48.21	-13.00	Pass
5640.00	V	-45.77		
7520.00	V	-39.62		
3760.00	Horizontal	-52.25		
5640.00	H	-46.19		
7520.00	H	-39.78		
Highest Channel				
3805.00	Vertical	-48.21	-13.00	Pass
5707.50	V	-45.75		
7610.00	V	-39.64		
3805.00	Horizontal	-51.49		
5707.50	H	-44.25		
7610.00	H	-39.63		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 2, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3720.00	Vertical	-48.25	-13.00	Pass
5580.00	V	-44.36		
7440.00	V	-38.95		
3720.00	Horizontal	-52.25		
5580.00	H	-45.12		
7440.00	H	-38.76		
Middle Channel				
3760.00	Vertical	-47.61	-13.00	Pass
5640.00	V	-45.25		
7520.00	V	-39.36		
3760.00	Horizontal	-51.45		
5640.00	H	-44.36		
7520.00	H	-37.49		
Highest Channel				
3800.00	Vertical	-45.23	-13.00	Pass
5700.00	V	-46.61		
7600.00	V	-40.73		
3800.00	Horizontal	-52.26		
5700.00	H	-45.19		
7600.00	H	-39.79		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4 part:

LTE Band 4, WB: 1.4MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3421.40	Vertical	-50.99	-13.00	Pass
5132.10	V	-45.94		
6842.80	V	-36.15		
3421.40	Horizontal	-51.54		
5132.10	H	-46.16		
6842.80	H	-35.77		
Middle Channel				
3465.00	Vertical	-49.62	-13.00	Pass
5197.50	V	-44.52		
6930.00	V	-36.37		
3465.00	Horizontal	-52.24		
5197.50	H	-47.61		
6930.00	H	-36.49		
Highest Channel				
3508.60	Vertical	-49.62	-13.00	Pass
5262.90	V	-45.51		
7017.20	V	-37.64		
3508.60	Horizontal	-52.24		
5262.90	H	-46.22		
7017.20	H	-37.49		

Note:
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 4, WB: 3MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3423.00	Vertical	-45.25	-13.00	Pass
5134.50	V	-46.31		
6846.00	V	-36.22		
3423.00	Horizontal	-51.47		
5134.50	H	-45.19		
6846.00	H	-36.98		
Middle Channel				
3465.00	Vertical	-45.21	-13.00	Pass
5197.50	V	-46.39		
6930.00	V	-36.70		
3465.00	Horizontal	-51.45		
5197.50	H	-46.20		
6930.00	H	-37.46		
Highest Channel				
3507.00	Vertical	-45.25	-13.00	Pass
5260.50	V	-46.13		
7014.00	V	-36.79		
3507.00	Horizontal	-52.22		
5260.50	H	-46.19		
7014.00	H	-37.49		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3425.00	Vertical	-49.77	-13.00	Pass
5137.50	V	-46.31		
6850.00	V	-36.47		
3425.00	Horizontal	-52.22		
5137.50	H	-44.19		
6850.00	H	-36.75		
Middle Channel				
3465.00	Vertical	-48.52	-13.00	Pass
5197.50	V	-45.19		
6930.00	V	-36.77		
3465.00	Horizontal	-52.20		
5197.50	H	-46.61		
6930.00	H	-37.49		
Highest Channel				
3505.00	Vertical	-49.57	-13.00	Pass
5257.50	V	-46.31		
7010.00	V	-36.64		
3505.00	Horizontal	-51.45		
5257.50	H	-45.78		
7010.00	H	-36.98		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 4, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3430.00	Vertical	-46.62	-13.00	Pass
5145.00	V	-47.61		
6860.00	V	-36.22		
3430.00	Horizontal	-51.42		
5145.00	H	-46.63		
6860.00	H	-37.49		
Middle Channel				
3465.00	Vertical	-46.31	-13.00	Pass
5197.50	V	-45.25		
6930.00	V	-37.94		
3465.00	Horizontal	-52.26		
5197.50	H	-46.37		
6930.00	H	-36.48		
Highest Channel				
3500.00	Vertical	-46.11	-13.00	Pass
5250.00	V	-45.23		
7000.00	V	-36.79		
3500.00	Horizontal	-51.45		
5250.00	H	-45.17		
7000.00	H	-36.98		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 4, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3435.00	Vertical	-48.95	-13.00	Pass
5152.50	V	-46.33		
6870.00	V	-37.64		
3435.00	Horizontal	-51.43		
5152.50	H	-45.79		
6870.00	H	-35.19		
Middle Channel				
3465.00	Vertical	-47.61	-13.00	Pass
5197.50	V	-46.19		
6930.00	V	-36.55		
3465.00	Horizontal	-51.24		
5197.50	H	-47.61		
6930.00	H	-36.78		
Highest Channel				
3495.00	Vertical	-46.90	-13.00	Pass
5242.50	V	-45.21		
6990.00	V	-37.49		
3495.00	Horizontal	-52.43		
5242.50	H	-46.19		
6990.00	H	-36.78		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

LTE Band 4, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
3440.00	Vertical	-47.52	-13.00	Pass
5160.00	V	-46.31		
6880.00	V	-36.85		
3440.00	Horizontal	-52.19		
5160.00	H	-45.27		
6880.00	H	-36.48		
Middle Channel				
3465.00	Vertical	-45.25	-13.00	Pass
5197.50	V	-46.37		
6930.00	V	-36.64		
3465.00	Horizontal	-51.46		
5197.50	H	-47.18		
6930.00	H	-35.19		
Highest Channel				
3490.00	Vertical	-46.52	-13.00	Pass
5235.00	V	-45.36		
6980.00	V	-36.19		
3490.00	Horizontal	-52.26		
5235.00	H	-46.79		
6980.00	H	-37.49		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7 part:

LTE Band 7, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5005.00	Vertical	-41.09	-25.00	Pass
7507.50	V	-38.31		
10010.00	V	-29.76		
5005.00	Horizontal	-46.40		
7507.50	H	-38.59		
10010.00	H	-30.46		
Middle Channel				
5070.00	Vertical	-42.53	-25.00	Pass
7605.00	V	-39.64		
10140.00	V	-30.76		
5070.00	Horizontal	-47.60		
7605.00	H	-38.91		
10140.00	H	-29.81		
Highest Channel				
5135.00	Vertical	-42.65	-25.00	Pass
7702.50	V	-40.67		
10270.00	V	-39.64		
5135.00	Horizontal	-46.12		
7702.50	H	-39.67		
10270.00	H	-30.45		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5010.00	Vertical	-42.63	-25.00	Pass
7515.00	V	-39.61		
10020.00	V	-32.02		
5010.00	Horizontal	-45.51		
7515.00	H	-39.73		
10020.00	H	-31.45		
Middle Channel				
5070.00	Vertical	-42.22	-25.00	Pass
7605.00	V	-39.64		
10140.00	V	-32.15		
5070.00	Horizontal	-45.52		
7605.00	H	-39.76		
10140.00	H	-31.47		
Highest Channel				
5130.00	Vertical	-42.25	-25.00	Pass
7695.00	V	-39.61		
10260.00	V	-32.73		
5130.00	Horizontal	-45.51		
7695.00	H	-39.76		
10260.00	H	-32.44		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7, WB: 15MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5015.00	Vertical	-42.62	-25.00	Pass
7522.50	V	-39.64		
10030.00	V	-28.67		
5015.00	Horizontal	-47.61		
7522.50	H	-39.64		
10030.00	H	-31.46		
Middle Channel				
5070.00	Vertical	-42.56	-25.00	Pass
7605.00	V	-39.76		
10140.00	V	-39.54		
5070.00	Horizontal	-46.12		
7605.00	H	-39.67		
10140.00	H	-30.45		
Highest Channel				
5125.00	Vertical	-43.26	-25.00	Pass
7687.50	V	-39.64		
10250.00	V	-39.15		
5125.00	Horizontal	-46.52		
7687.50	H	-40.12		
10250.00	H	-39.78		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 7, WB: 20MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
5020.00	Vertical	-43.62	-25.00	Pass
7530.00	V	-40.31		
10040.00	V	-30.63		
5020.00	Horizontal	-46.61		
7530.00	H	-40.20		
10040.00	H	-32.49		
Middle Channel				
5070.00	Vertical	-42.23	-25.00	Pass
7605.00	V	-39.76		
10140.00	V	-31.46		
5070.00	Horizontal	-46.52		
7605.00	H	-39.76		
10140.00	H	-32.47		
Highest Channel				
5120.00	Vertical	-41.76	-25.00	Pass
7680.00	V	-39.64		
10240.00	V	-32.53		
5120.00	Horizontal	-46.25		
7680.00	H	-40.19		
10240.00	H	-32.47		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

LTE Band 17 part:

LTE Band 17, WB: 5MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1413.00	Vertical	-60.30	-13.00	Pass
2119.50	V	-56.04		
2826.00	V	-59.30		
1413.00	Horizontal	-56.59		
2119.50	H	-51.81		
2826.00	H	-60.43		
Middle Channel				
1420.00	Vertical	-59.64	-13.00	Pass
2130.00	V	-55.26		
2840.00	V	-58.67		
1420.00	Horizontal	-55.16		
2130.00	H	-49.31		
2840.00	H	-59.70		
Highest Channel				
1427.00	Vertical	-60.36	-13.00	Pass
2140.50	V	-54.19		
2854.00	V	-57.64		
1427.00	Horizontal	-54.61		
2140.50	H	-48.62		
2854.00	H	-59.79		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

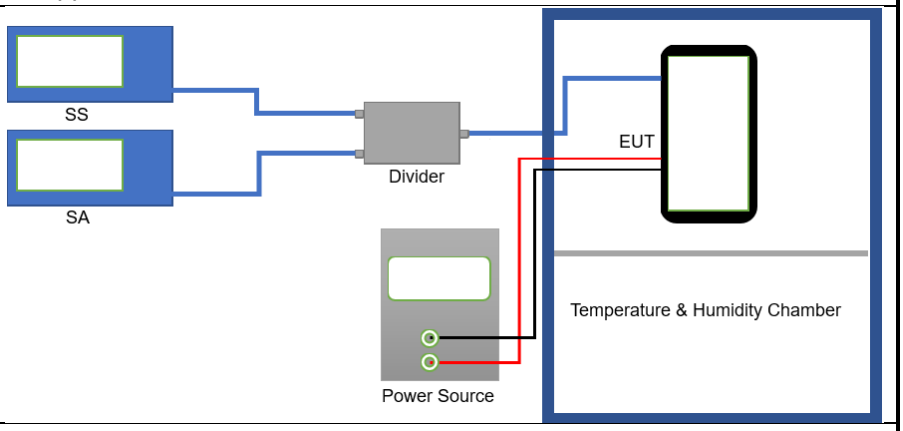
LTE Band 17, WB: 10MHz				
RB size 1 & RB offset 0				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
Lowest Channel				
1418.00	Vertical	-59.32	-13.00	Pass
2127.00	V	-54.60		
2836.00	V	-56.19		
1418.00	Horizontal	-55.42		
2127.00	H	-51.47		
2836.00	H	-59.19		
Middle Channel				
1420.00	Vertical	-56.76	-13.00	Pass
2130.00	V	-54.12		
2840.00	V	-57.60		
1420.00	Horizontal	-55.49		
2130.00	H	-48.12		
2840.00	H	-60.73		
Highest Channel				
1422.00	Vertical	-59.64	-13.00	Pass
2133.00	V	-54.13		
2844.00	V	-58.76		
1422.00	Horizontal	-53.62		
2133.00	H	-49.31		
2844.00	H	-60.75		

Note:

1. The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.

2. For above 1 GHz, all test modes were performed, and just the worst case shown in the report.

6.6 Frequency stability V.S. Temperature measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25℃ operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 channel=1880.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	190	0.101064	±2.5	Pass
	-20	150	0.079787		
	-10	165	0.087766		
	0	143	0.076064		
	10	183	0.097340		
	20	136	0.072340		
	30	189	0.100532		
	40	187	0.099468		
	50	145	0.077128		
16QAM					
3.70	-30	196	0.104255	±2.5	Pass
	-20	178	0.094681		
	-10	183	0.097340		
	0	142	0.075532		
	10	187	0.099468		
	20	185	0.098404		
	30	165	0.087766		
	40	190	0.101064		
	50	166	0.088298		
Note: Only the worst case shown in the report.					

LTE Band 4 part:

Reference Frequency: LTE Band 4 (10MHz) Middle channel=20175 channel=1732.50MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	197	0.113709	±2.5	Pass
	-20	153	0.088312		
	-10	176	0.101587		
	0	168	0.096970		
	10	178	0.102742		
	20	174	0.100433		
	30	177	0.102165		
	40	159	0.091775		
	50	140	0.080808		
16QAM					
3.70	-30	166	0.095815	±2.5	Pass
	-20	124	0.071573		
	-10	152	0.087734		
	0	134	0.077345		
	10	142	0.081962		
	20	105	0.060606		
	30	111	0.064069		
	40	130	0.075036		
	50	155	0.089466		
Note: Only the worst case shown in the report.					

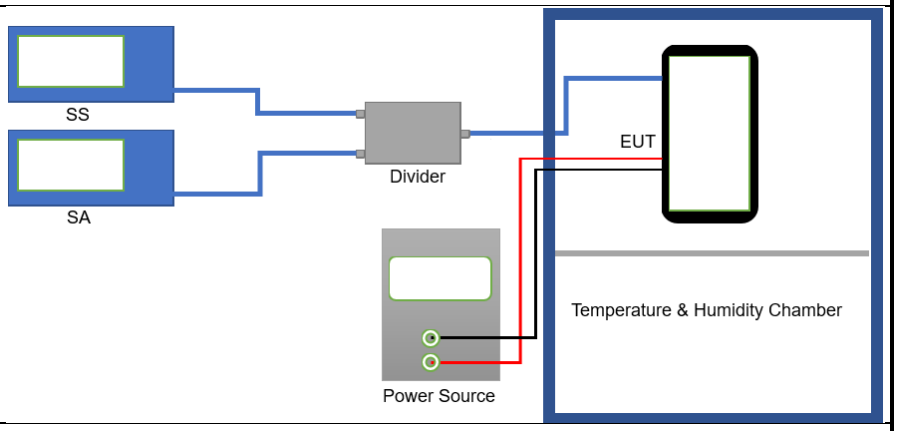
LTE Band 7 part:

Reference Frequency: LTE Band 7 (10MHz) Middle channel=21100 Frequency=2535.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	188	0.074162	±2.5	Pass
	-20	125	0.049310		
	-10	143	0.056410		
	0	167	0.065878		
	10	180	0.071006		
	20	177	0.069822		
	30	141	0.055621		
	40	151	0.059566		
	50	116	0.045759		
16QAM					
3.70	-30	179	0.070611	±2.5	Pass
	-20	160	0.063116		
	-10	169	0.066667		
	0	128	0.050493		
	10	145	0.057199		
	20	150	0.059172		
	30	159	0.062722		
	40	138	0.054438		
	50	178	0.070217		
Note: Only the worst case shown in the report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17 (10MHz) Middle channel=23790 channel=710.00MHz					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.70	-30	190	0.267606	±2.5	Pass
	-20	159	0.223944		
	-10	162	0.228169		
	0	183	0.257746		
	10	184	0.259155		
	20	177	0.249296		
	30	154	0.216901		
	40	108	0.152113		
	50	157	0.221127		
16QAM					
3.70	-30	186	0.261972	±2.5	Pass
	-20	160	0.225352		
	-10	169	0.238028		
	0	123	0.173239		
	10	124	0.174648		
	20	157	0.221127		
	30	111	0.156338		
	40	130	0.183099		
	50	139	0.195775		
Note: Only the worst case shown in the report.					

6.7 Frequency stability V.S. Voltage measurement

Test Requirement:	Part 22.355, Part 24.235, Part 27.54, Part 2.1055(d)(2)
Test Method:	ANSI/TIA-603-D 2010
Limit:	±2.5ppm
Test setup:	
Test procedure:	1. Set chamber temperature to 25℃. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data (worst case):

LTE Band 2 part:

Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.35	98	0.052128	±2.5	Pass
	3.80	60	0.031915		
	3.50	76	0.040426		
16QAM					
25	4.35	80	0.042553	±2.5	Pass
	3.80	66	0.035106		
	3.50	49	0.026064		
Note: Only the worst case shown in the report.					

LTE Band 4 part:

Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.35	98	0.056566	±2.5	Pass
	3.80	77	0.044444		
	3.50	53	0.030592		
16QAM					
25	4.35	80	0.046176	±2.5	Pass
	3.80	59	0.034055		
	3.50	75	0.043290		
Note: Only the worst case shown in the report.					

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.35	91	0.035897	±2.5	Pass
	3.80	55	0.021696		
	3.50	81	0.031953		
16QAM					
25	4.35	89	0.035108	±2.5	Pass
	3.80	66	0.026036		
	3.50	70	0.027613		
Note: Only the worst case shown in the report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	4.35	90	0.126761	±2.5	Pass
	3.80	34	0.047887		
	3.50	49	0.069014		
16QAM					
25	4.35	88	0.123944	±2.5	Pass
	3.80	47	0.066197		
	3.50	59	0.083099		
Note: Only the worst case shown in the report.					