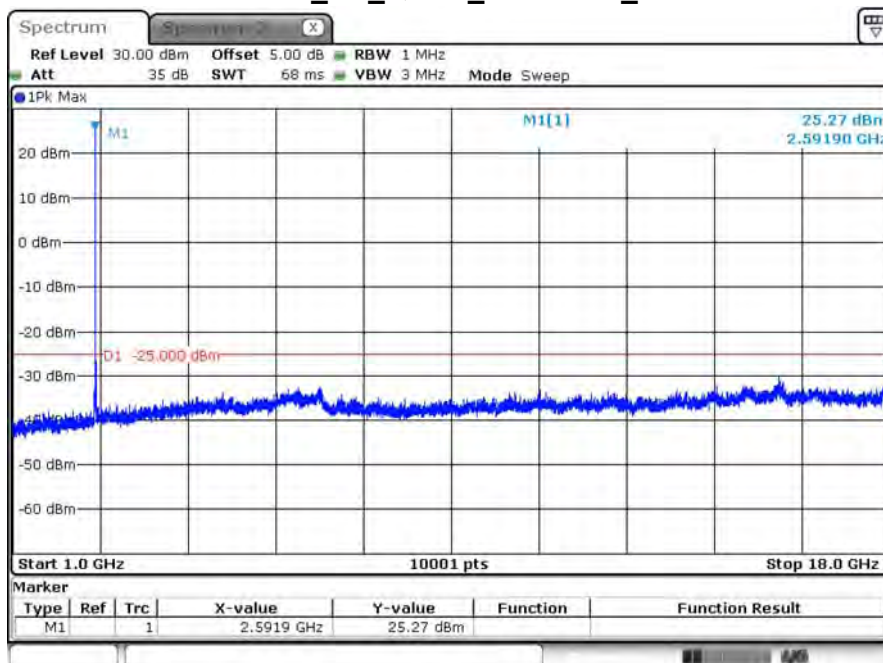


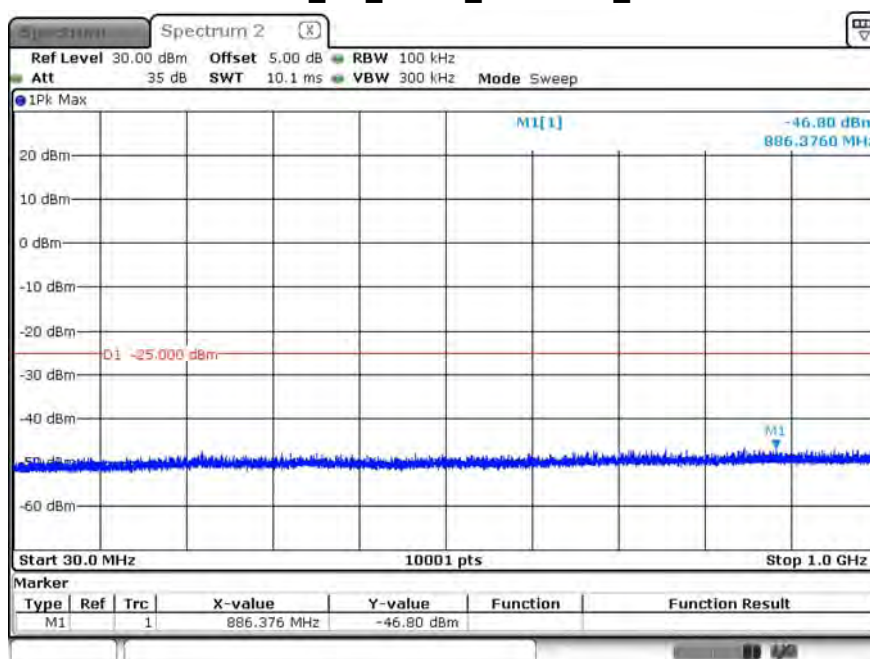
Product	LM960		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 15: LTE Band 41		
Date of Test	2018/08/19	Test Site	SR10-H

CH40620_5M_QPSK_Above 1G_1RB0



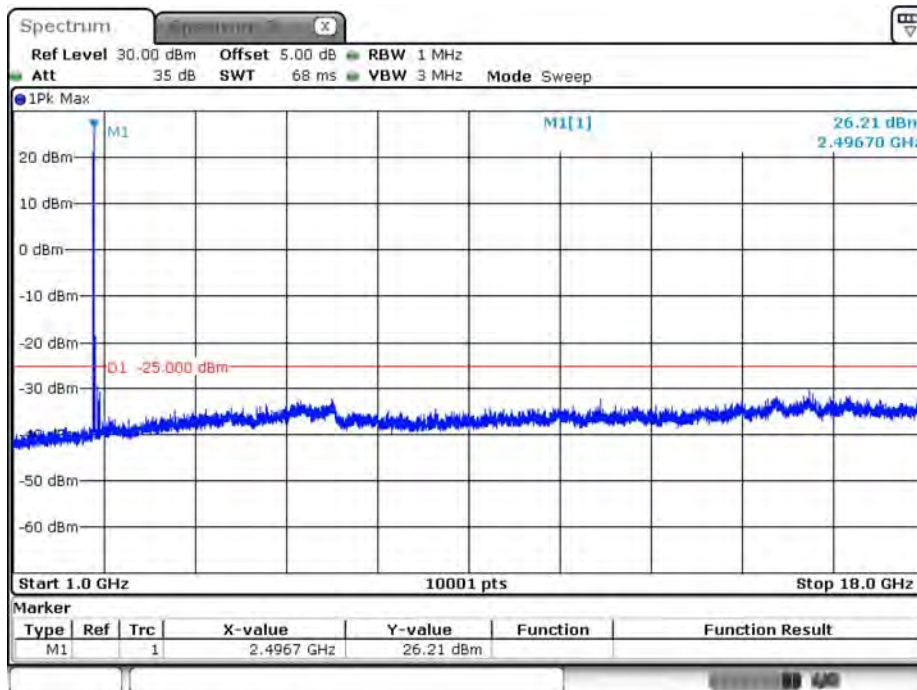
Date: 19 AUG 2018 22:27:25

CH40620_5M_QPSK_Under 1G_1RB0



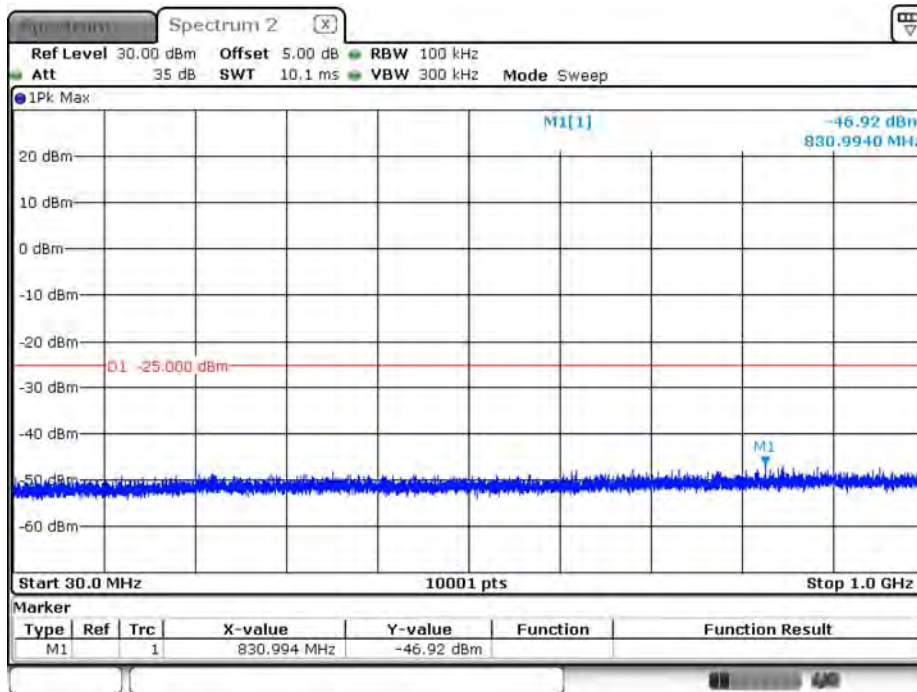
Date: 19 AUG 2018 22:24:07

CH39675_5M_16-QAM_Above 1G_1RB0



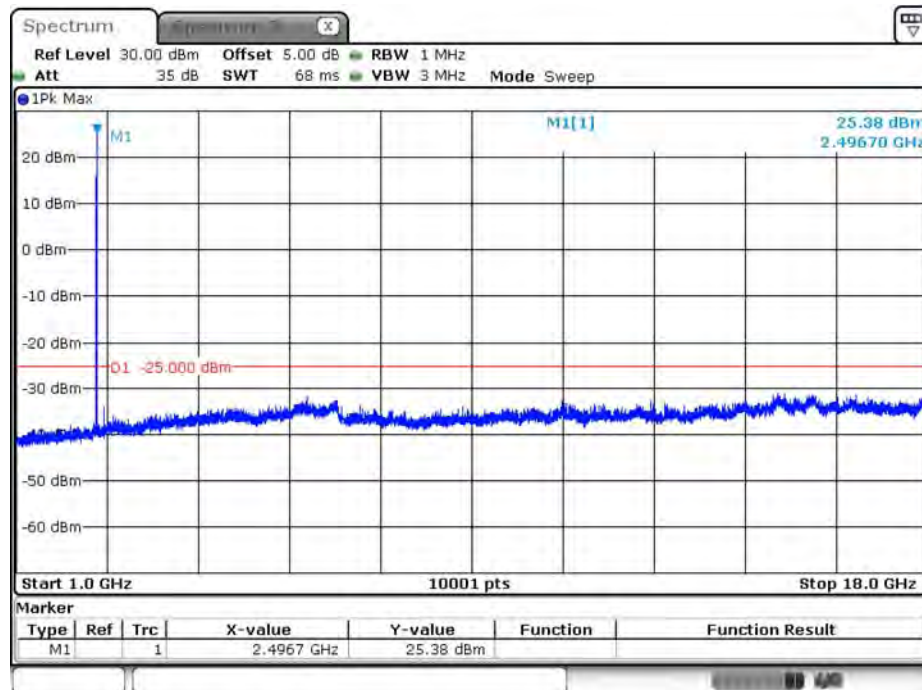
Date: 19.AUG.2018 22:31:48

CH39675_5M_16-QAM_Under 1G_1RB0



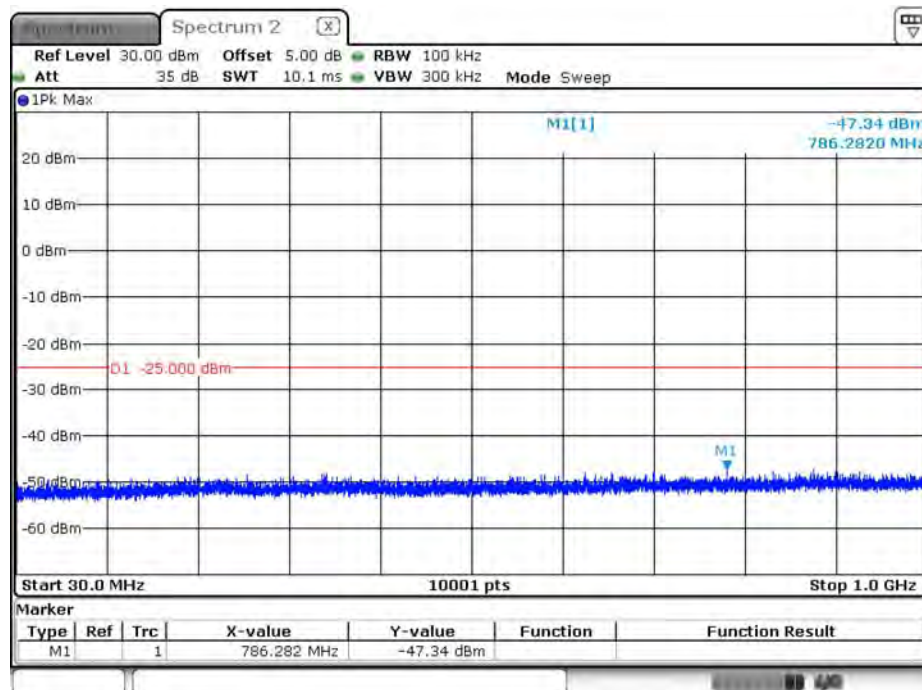
Date: 19.AUG.2018 22:32:13

CH39700_10M_QPSK_Above 1G_1RB24



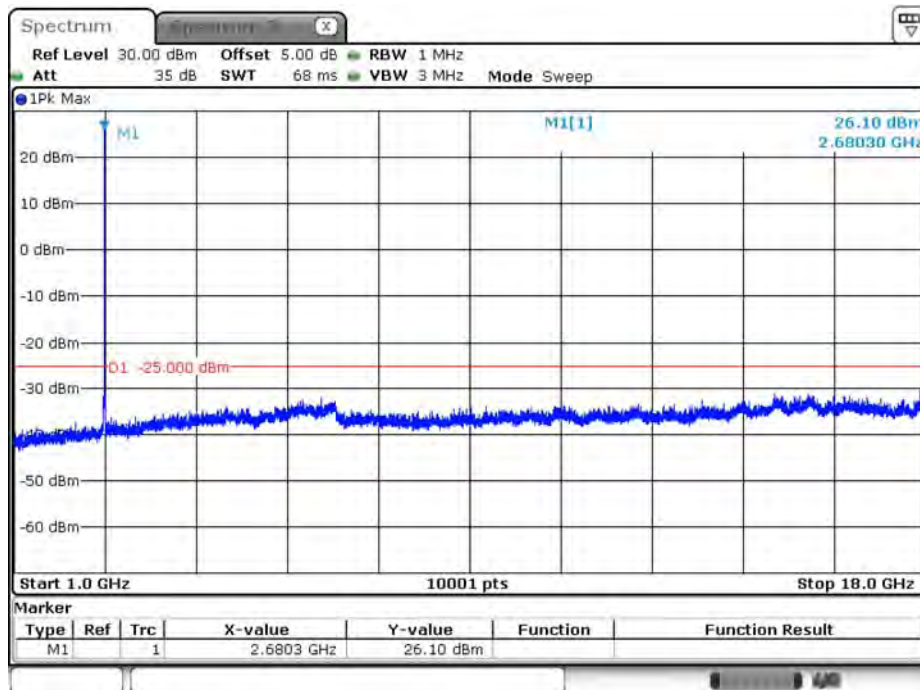
Date: 19 AUG 2018 22:44:02

CH39700_10M_QPSK_Under 1G_1RB24



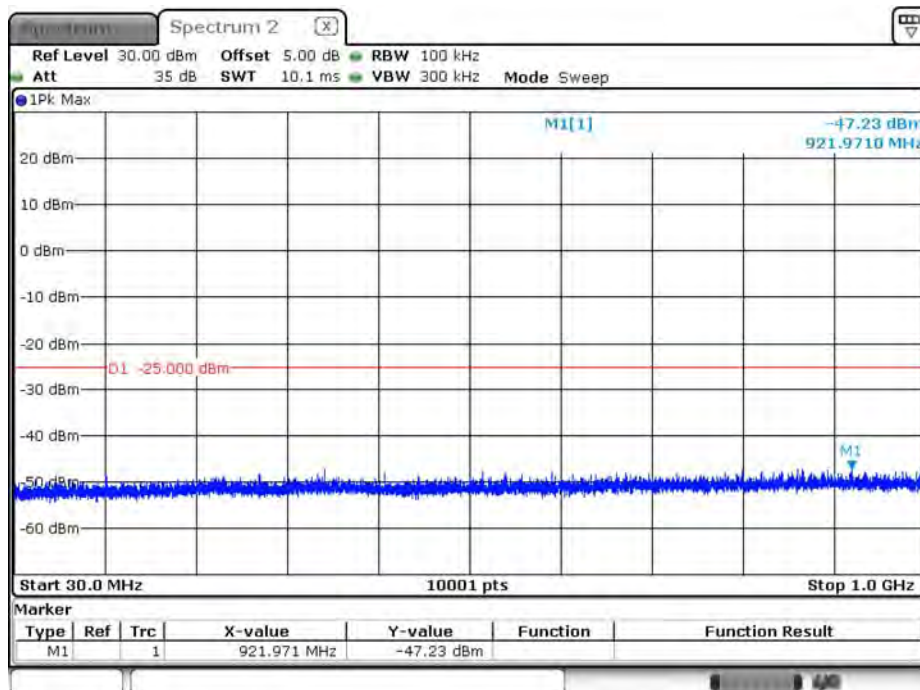
Date: 19 AUG 2018 22:43:21

CH41540_10M_16-QAM_Above 1G_1RB24



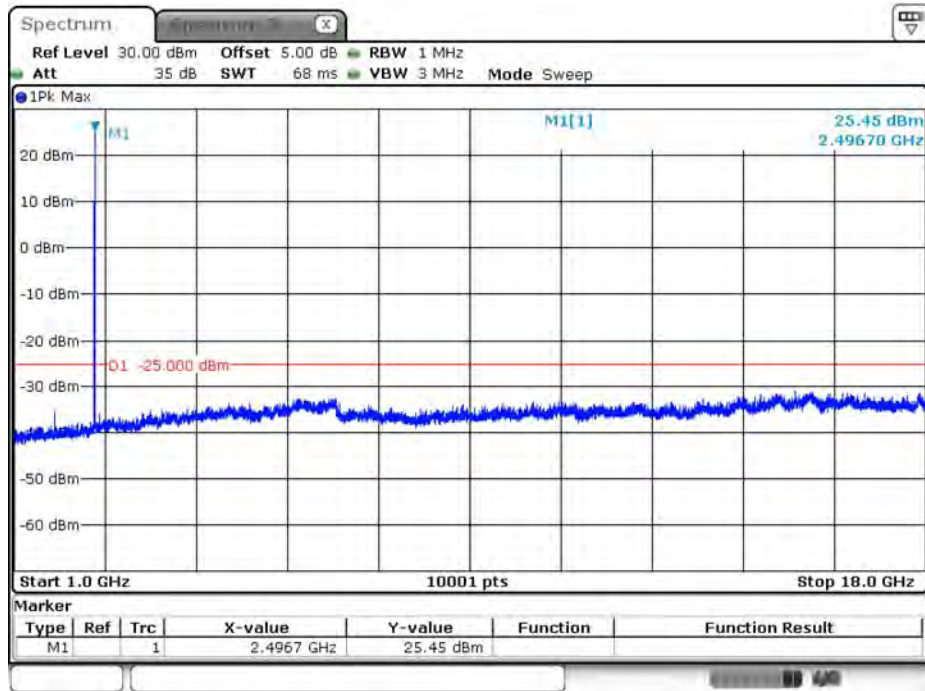
Date: 19 AUG 2018 22:45:29

CH41540_10M_16-QAM_Under 1G_1RB24



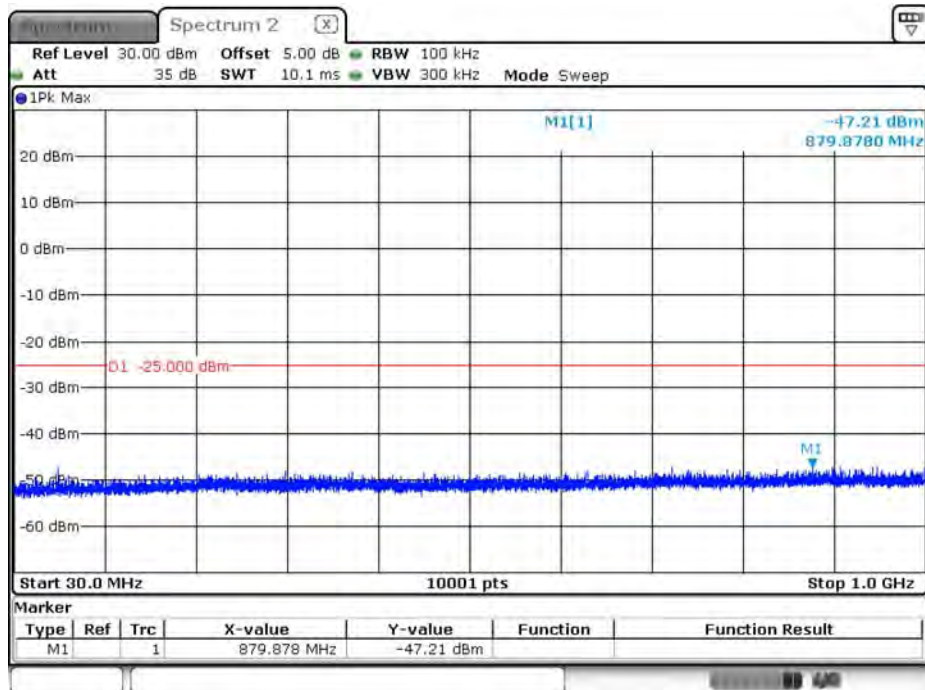
Date: 19 AUG 2018 22:46:07

CH39725_15M_QPSK_Above 1G_1RB0



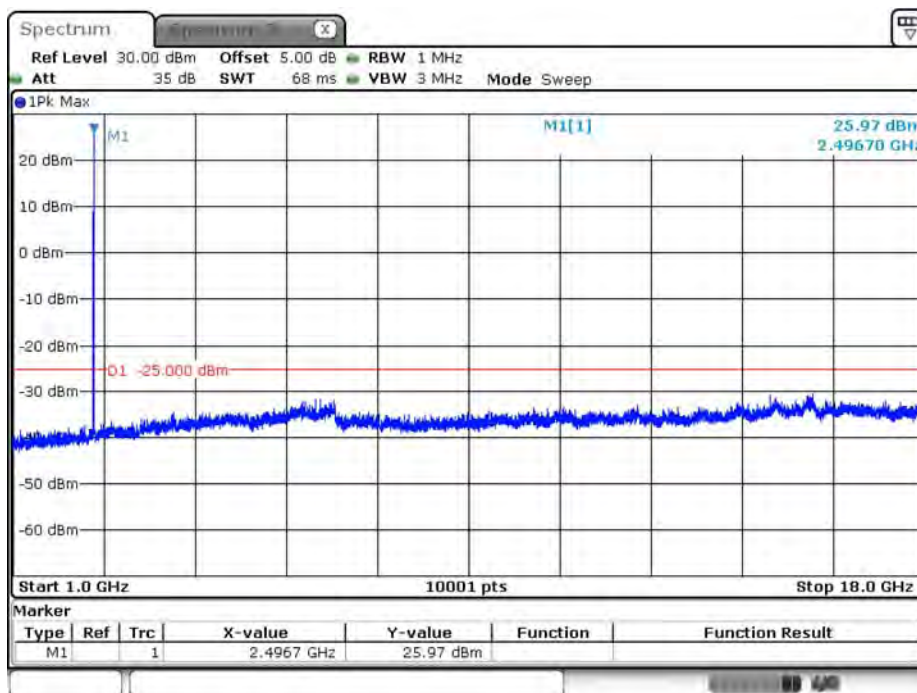
Date: 19.AUG.2018 22:51:49

CH39725_15M_QPSK_Under 1G_1RB0



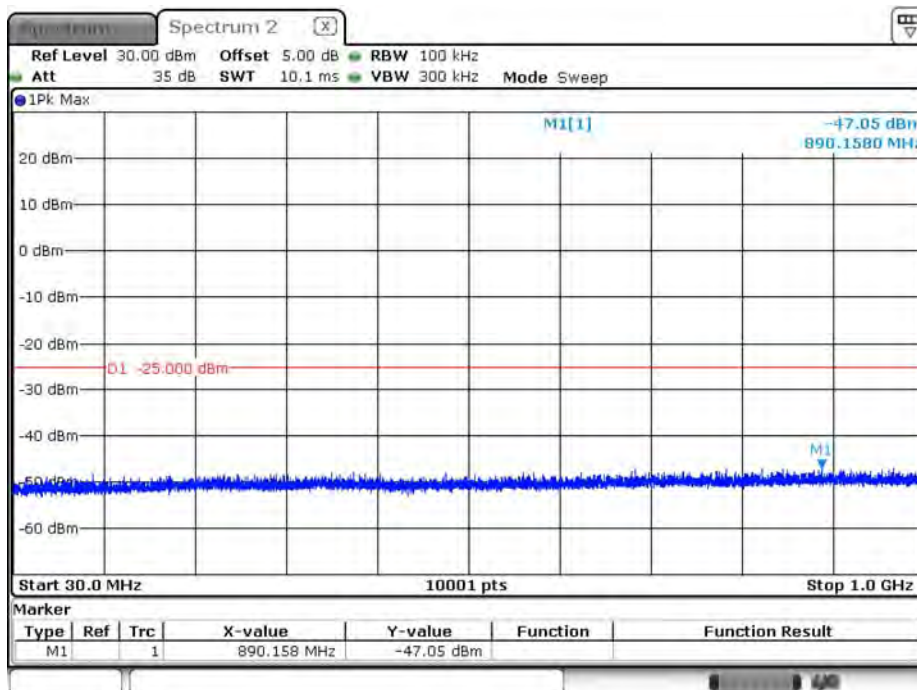
Date: 19.AUG.2018 22:52:36

CH39725_15M_16-QAM_Above 1G_1RB0



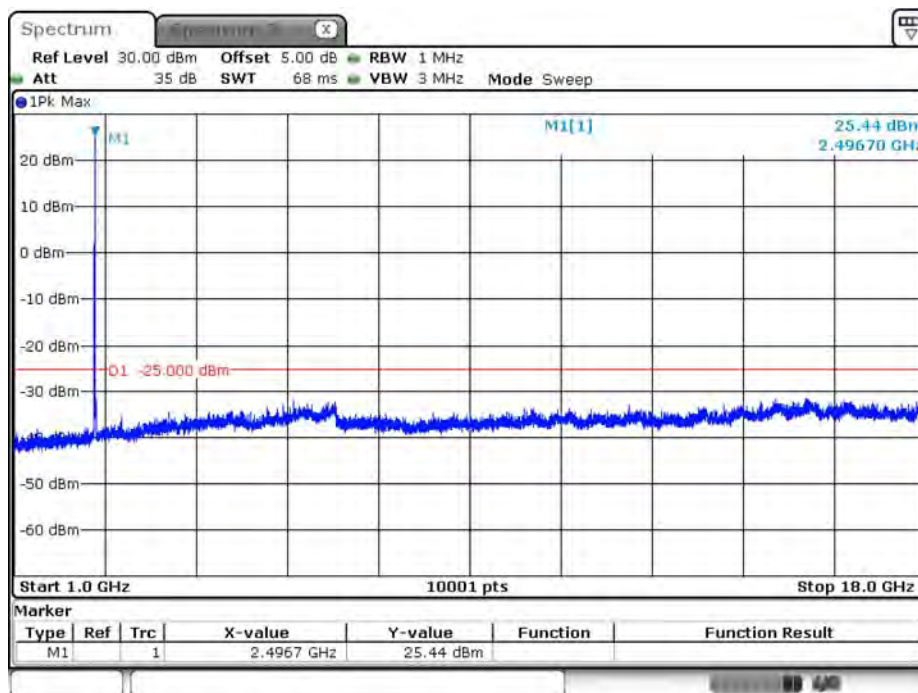
Date: 19.AUG.2018 22:49:48

CH39725_15M_16-QAM_Under 1G_1RB0



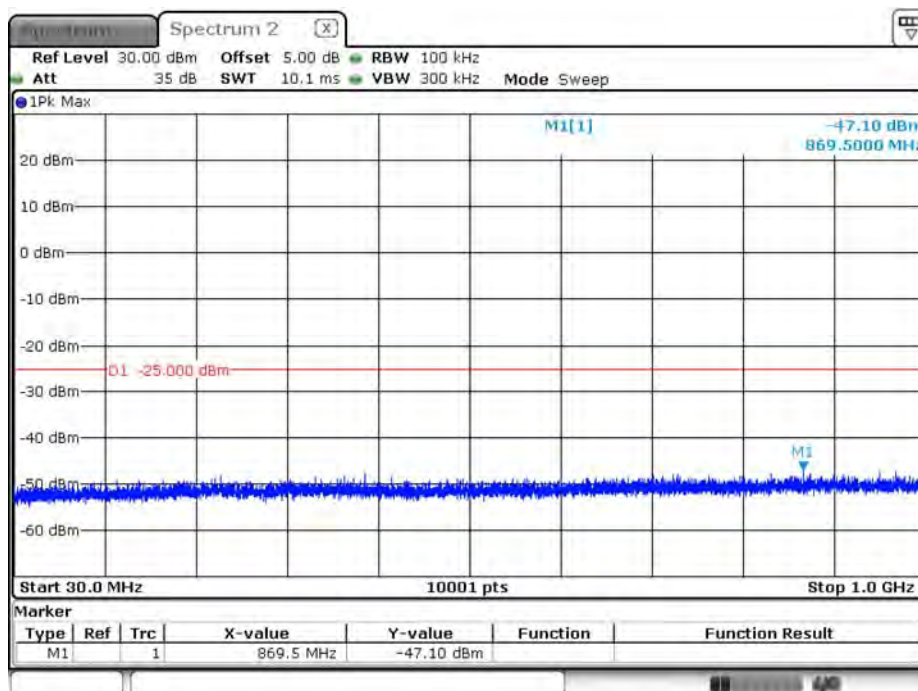
Date: 19.AUG.2018 22:48:41

CH39750_20M_QPSK_Above 1G_1RB0



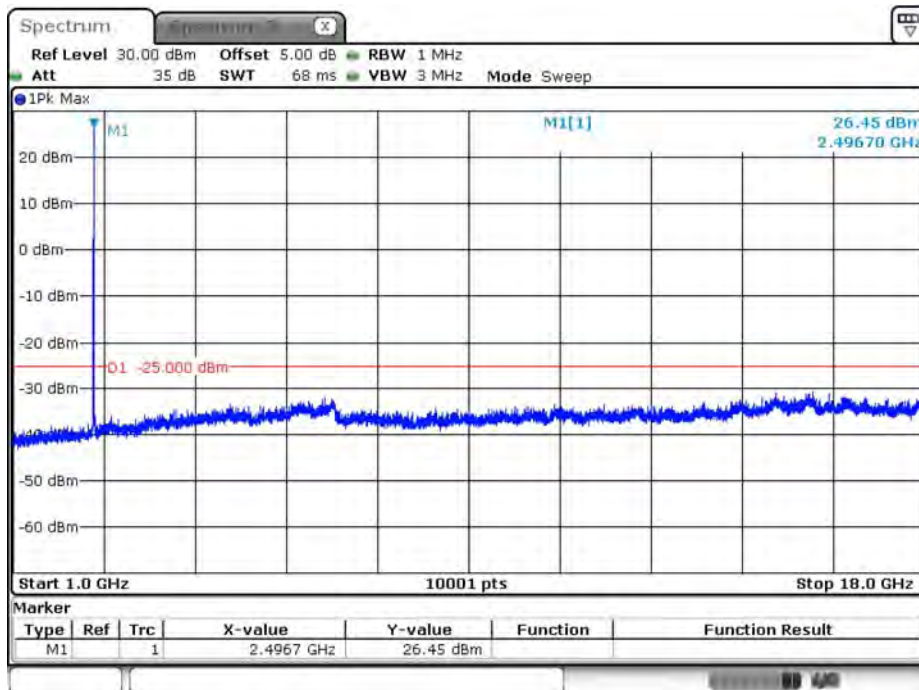
Date: 19.AUG.2018 22:56:12

CH39750_20M_QPSK_Under 1G_1RB0



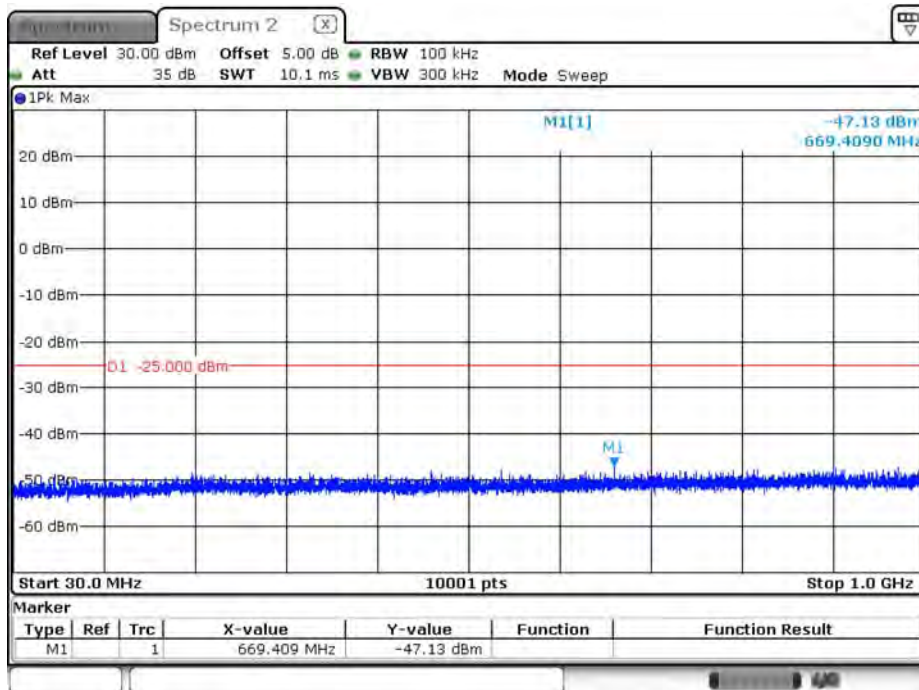
Date: 19.AUG.2018 22:54:55

CH39750_20M_16-QAM_Above 1G_1RB0



Date: 19.AUG.2018 22:57:09

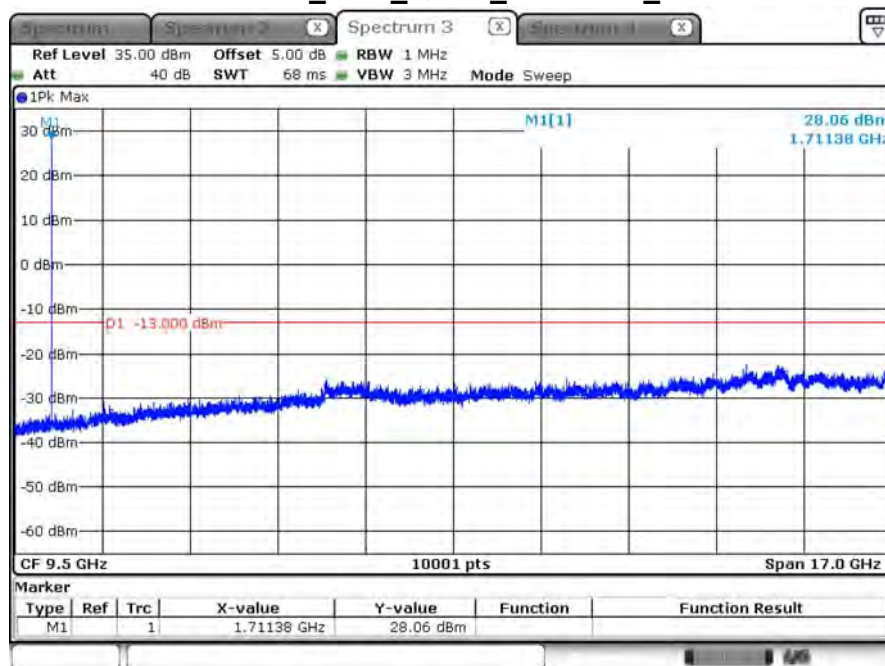
CH39750_20M_16-QAM_Under 1G_1RB0



Date: 19.AUG.2018 22:57:45

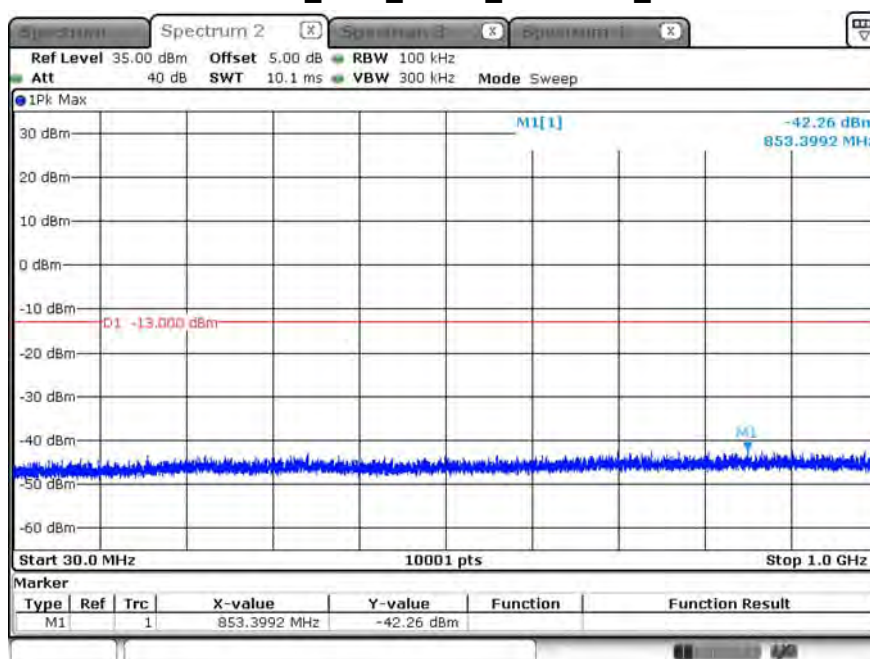
Product	LM960		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 16: LTE Band 66		
Date of Test	2018/05/24	Test Site	SR10-H

CH131979_1.4M_QPSK_Above 1G_3RB1



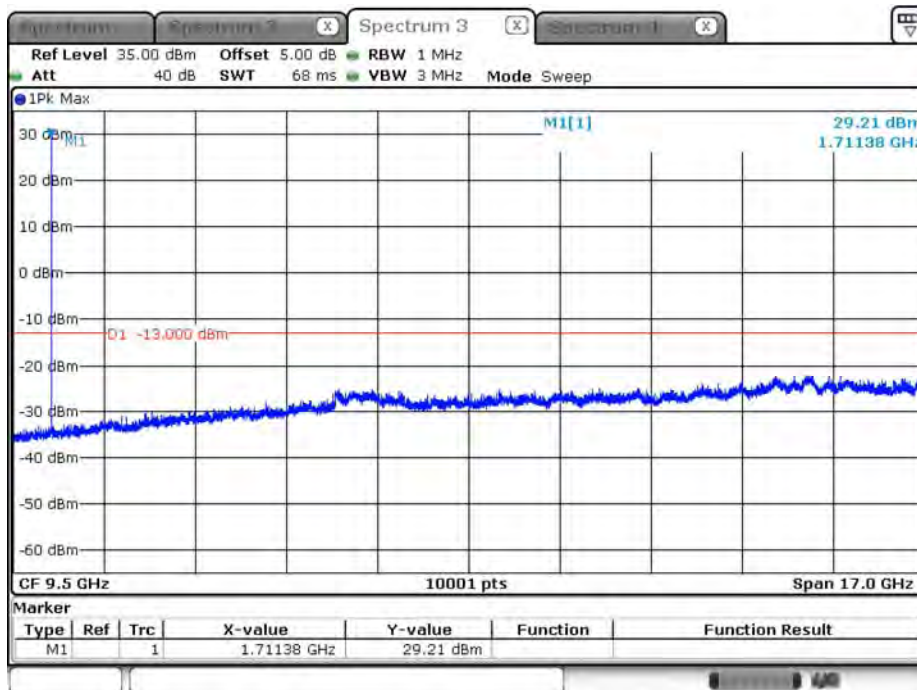
Date: 24 MAY 2018 11:11:13

CH131979_1.4M_QPSK_Under 1G_3RB1



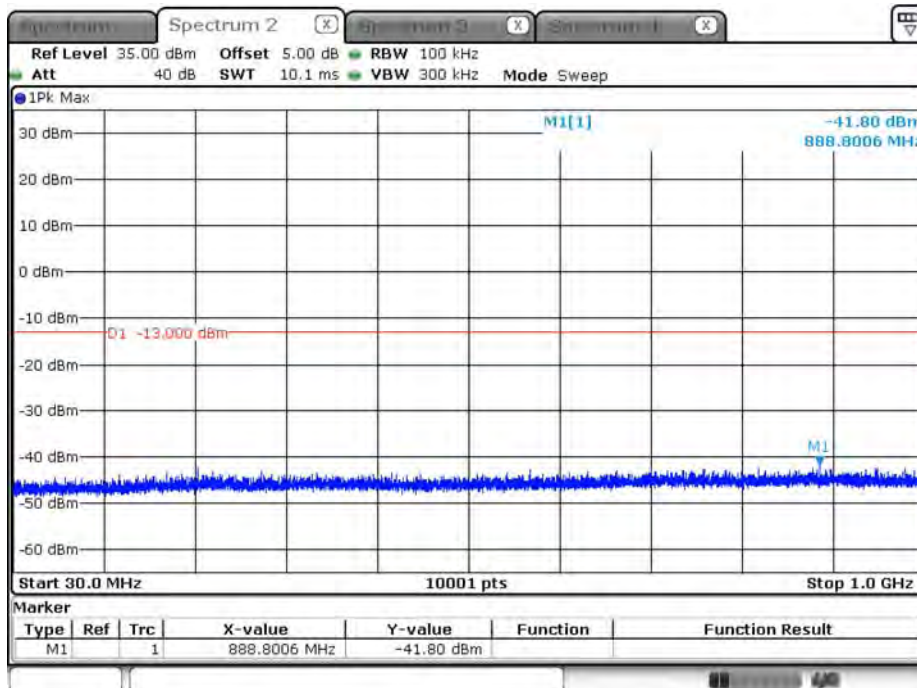
Date: 24 MAY 2018 11:10:15

CH131979_1.4M_16-QAM_Above 1G_3RB1



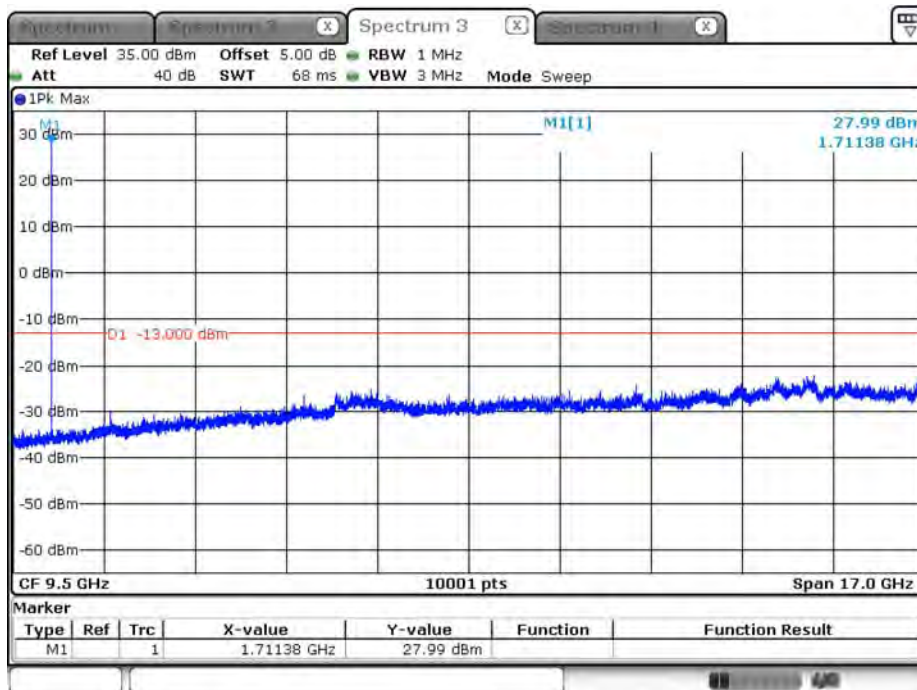
Date: 24.MAY.2018 11:16:42

CH131979_1.4M_16-QAM_Under 1G_3RB1



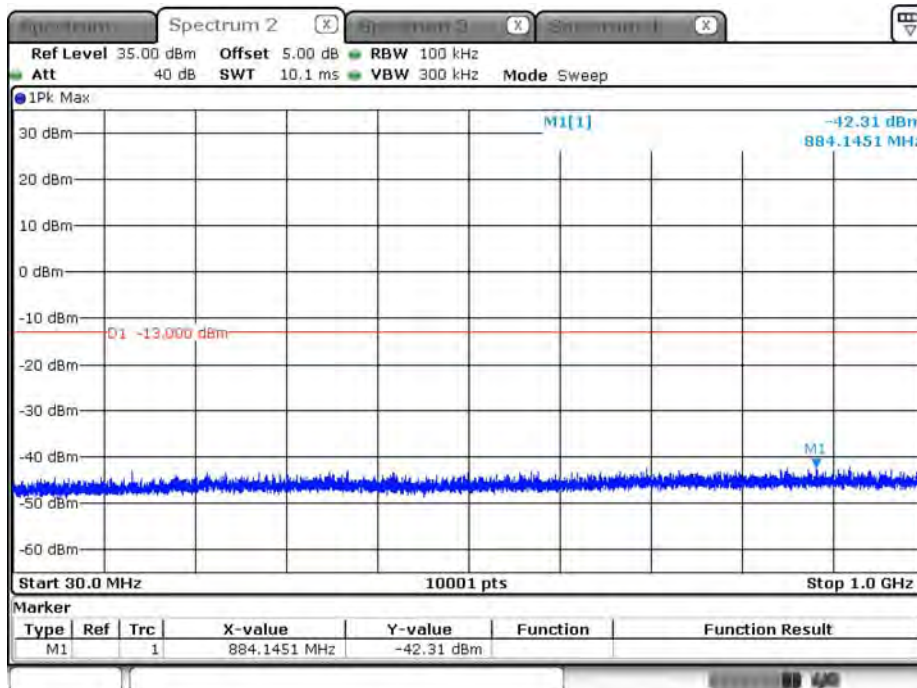
Date: 24.MAY.2018 11:17:56

CH131987_3M_QPSK_Above 1G_1RB7



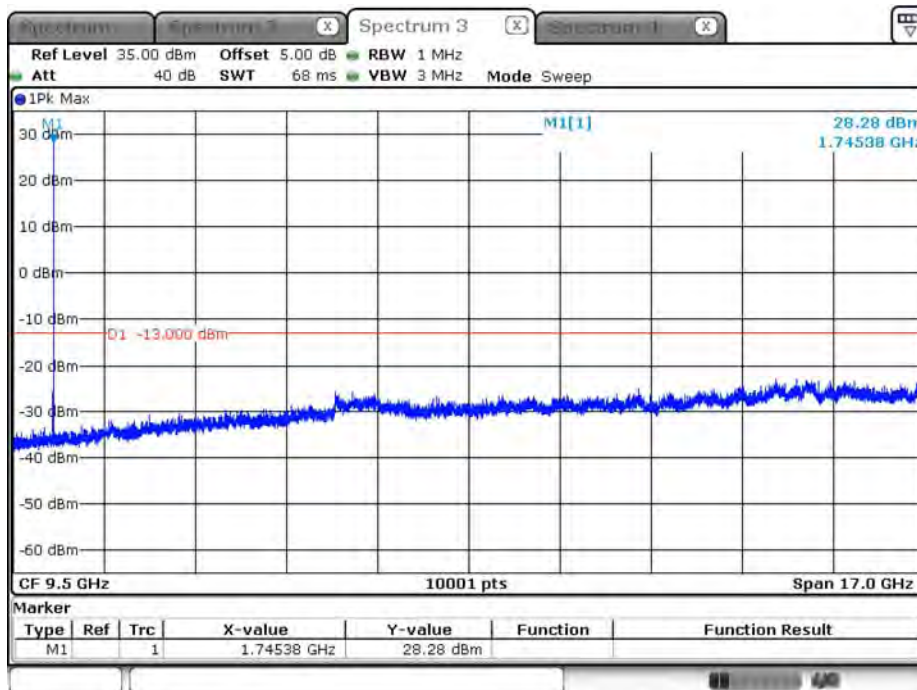
Date: 24.MAY.2018 11:36:19

CH131987_3M_QPSK_Under 1G_1RB7



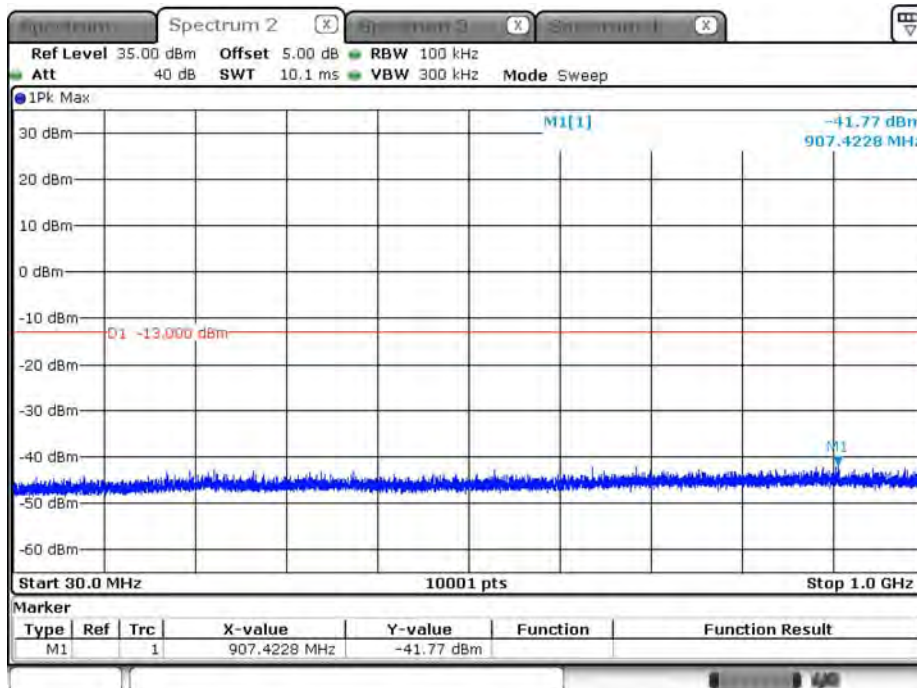
Date: 24.MAY.2018 11:35:15

CH132322_3M_16-QAM_Above 1G_1RB7



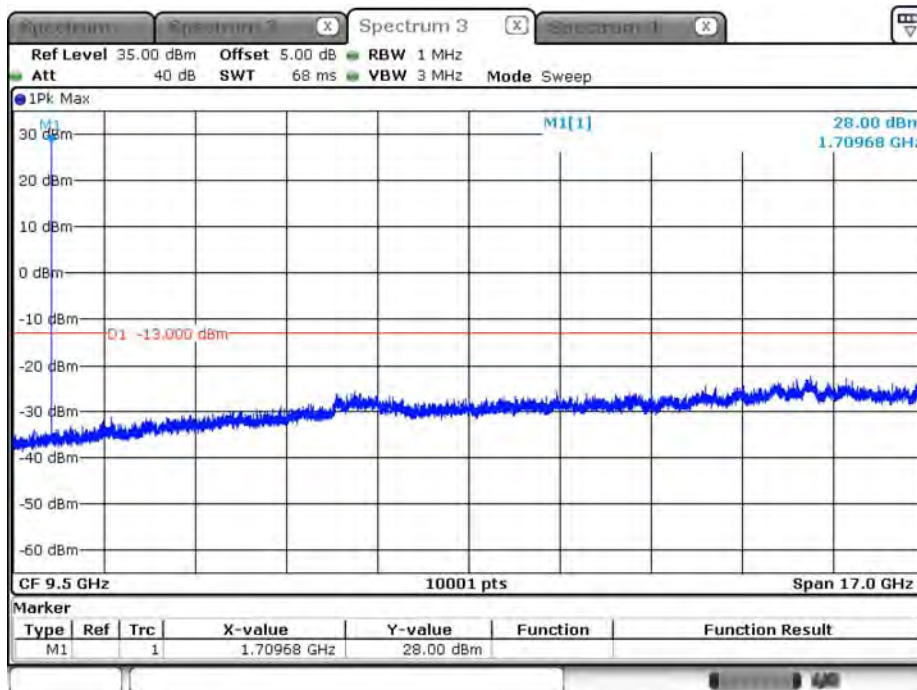
Date: 24.MAY.2018 11:39:38

CH132322_3M_16-QAM_Under 1G_1RB7



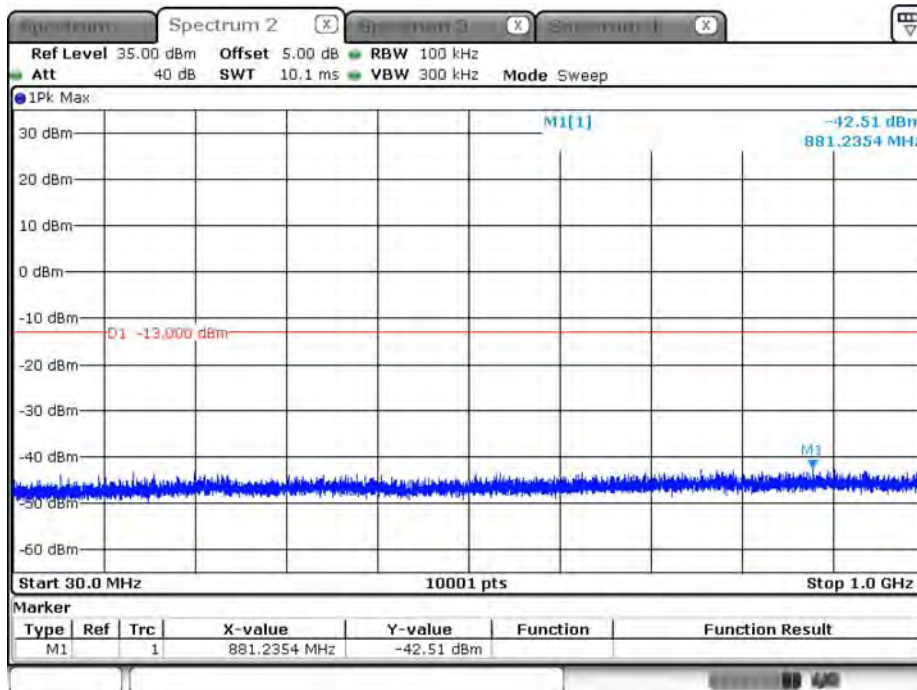
Date: 24.MAY.2018 11:40:35

CH131997_5M_QPSK_Above 1G_1RB0



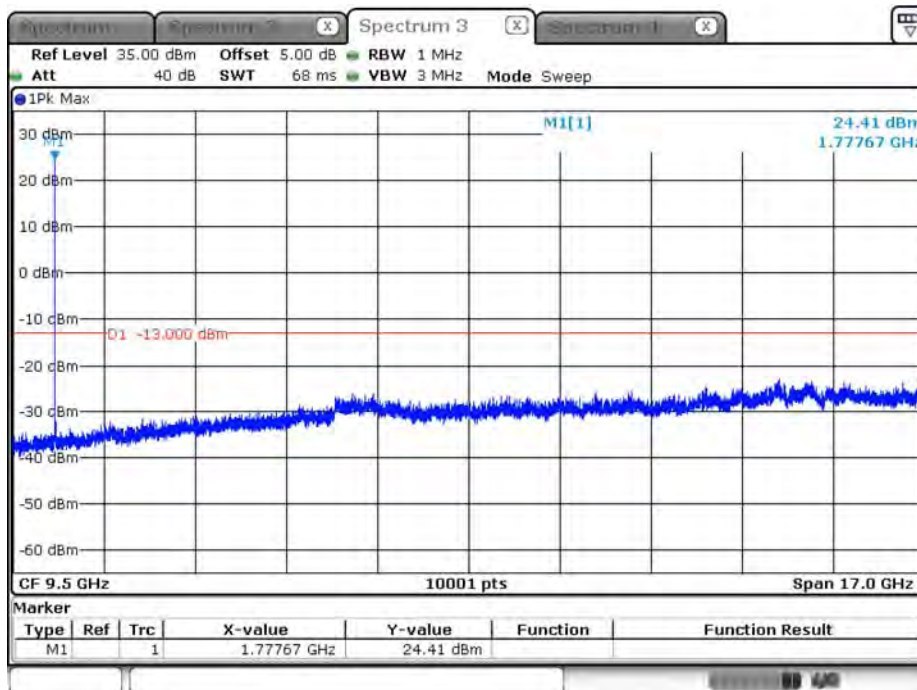
Date: 24.MAY.2018 11:42:06

CH131997_5M_QPSK_Under 1G_1RB0



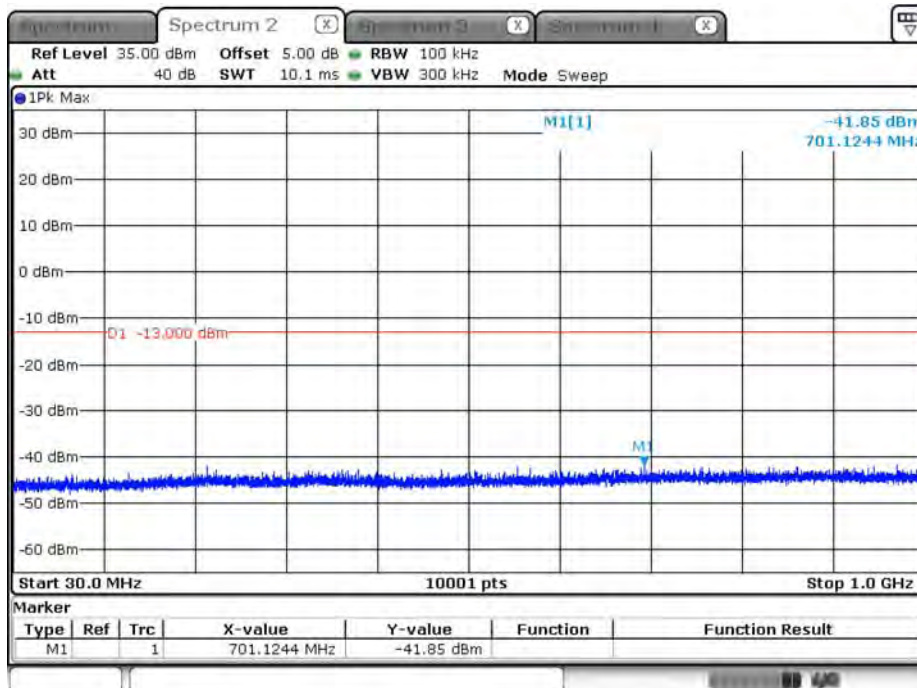
Date: 24.MAY.2018 11:41:27

CH132647_5M_16-QAM_Above 1G_12RB6



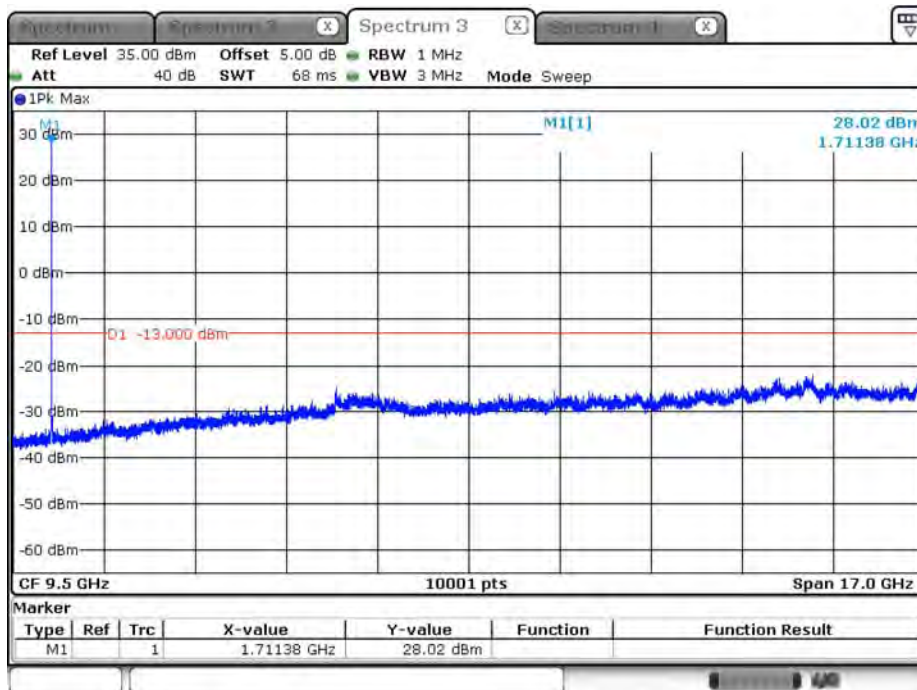
Date: 24.MAY.2018 11:44:04

CH132647_5M_16-QAM_Under 1G_12RB6



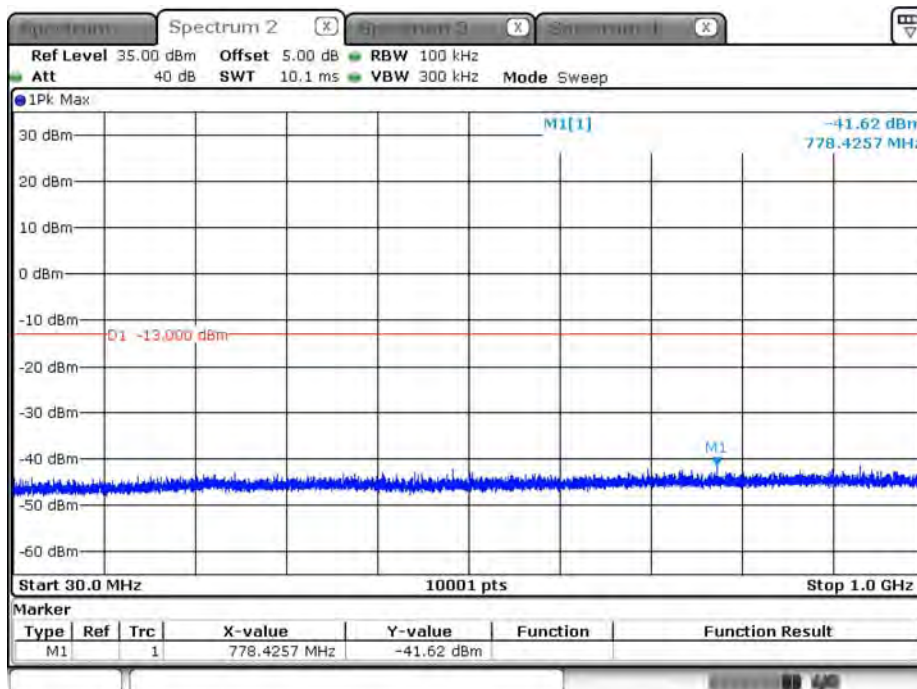
Date: 24.MAY.2018 11:45:43

CH132022_10M_QPSK_Above 1G_1RB0



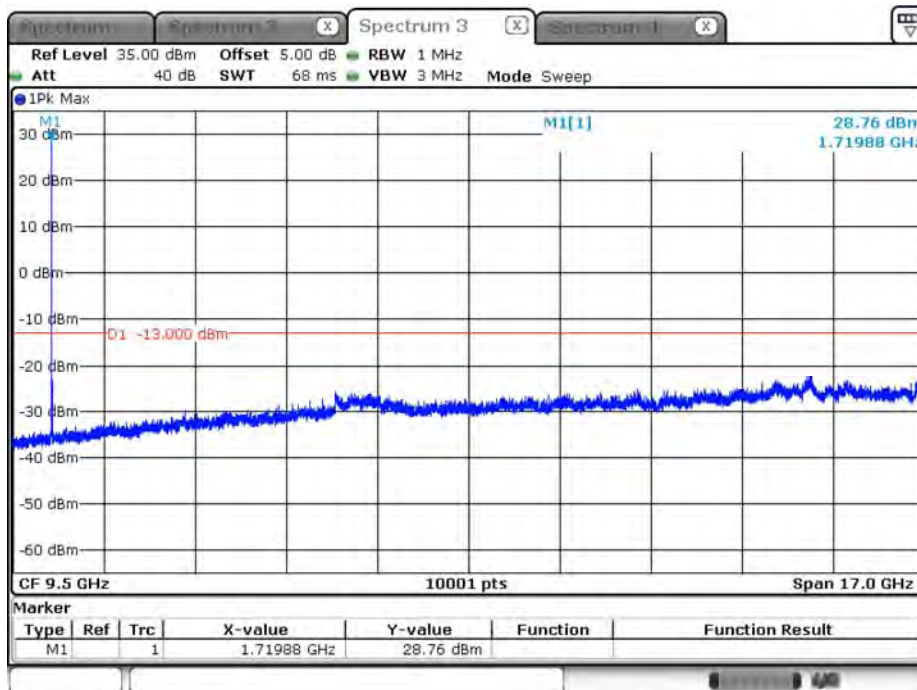
Date: 24.MAY.2018 11:49:29

CH132022_10M_QPSK_Under 1G_1RB0



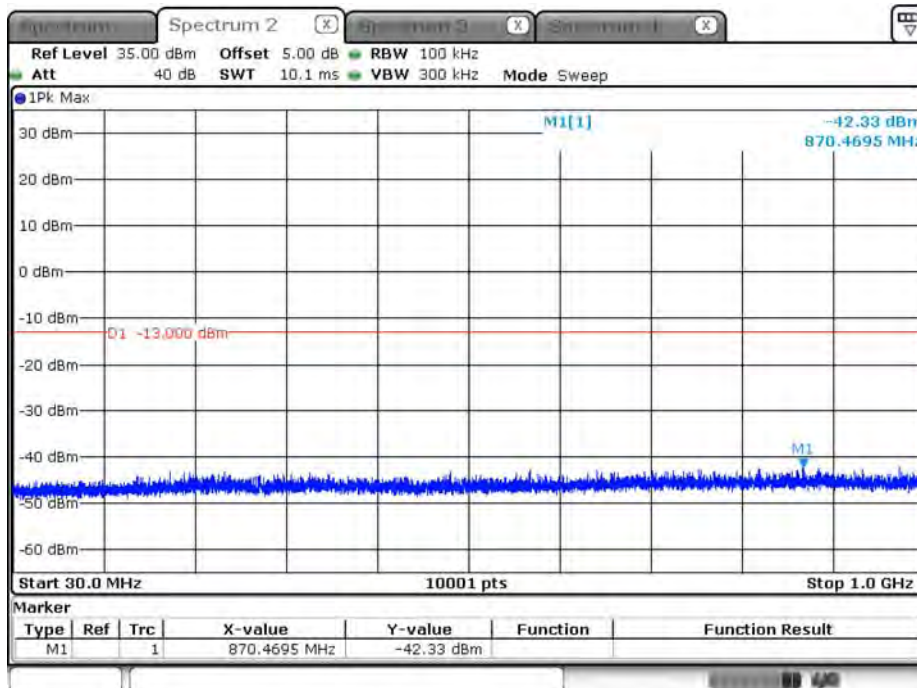
Date: 24.MAY.2018 11:48:40

CH132022_10M_16-QAM_Above 1G_1RB49



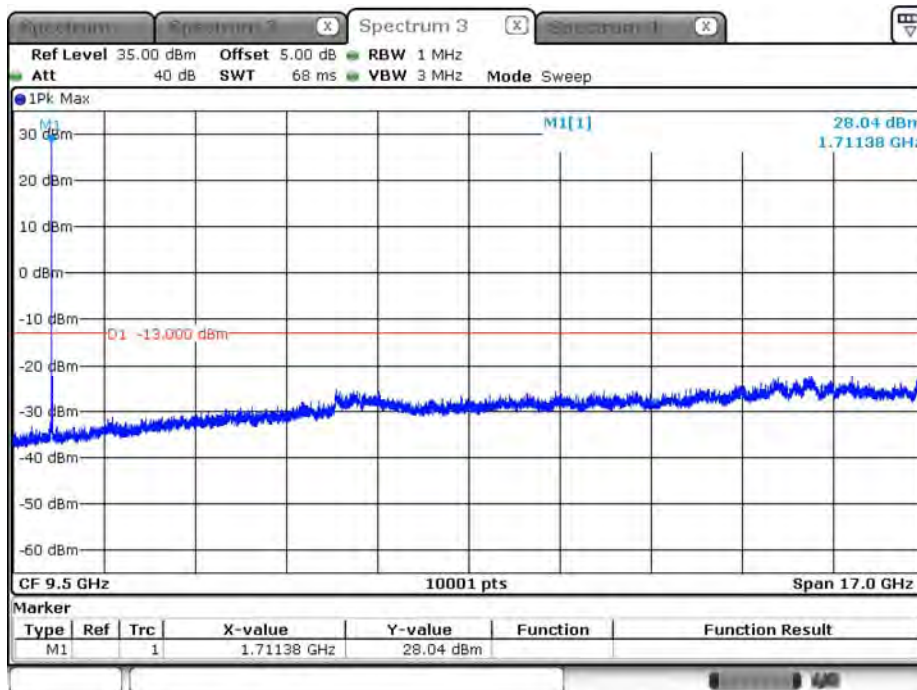
Date: 24.MAY.2018 11:52:24

CH132022_10M_16-QAM_Under 1G_1RB49



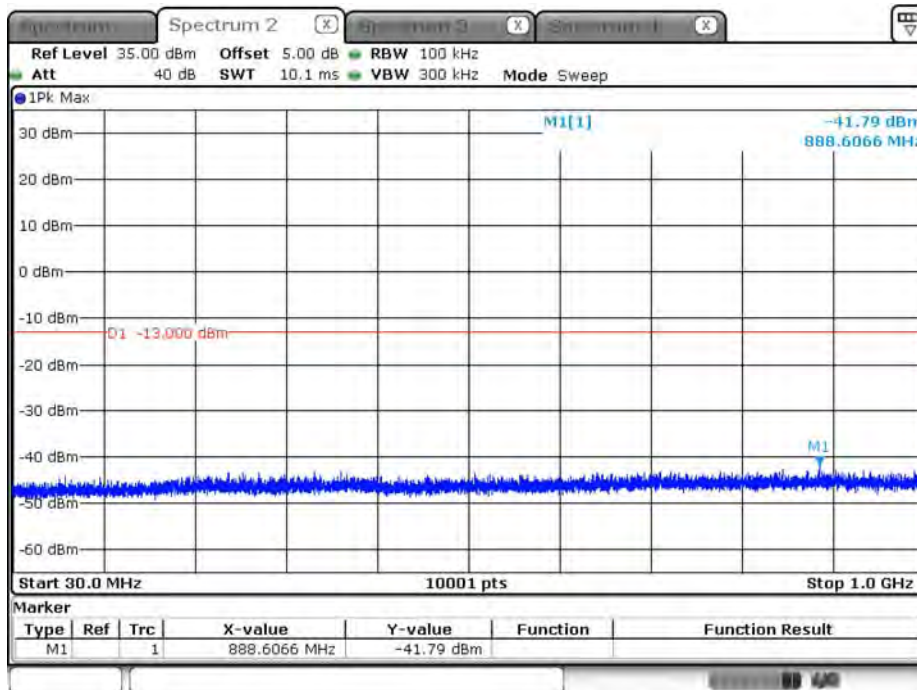
Date: 24.MAY.2018 11:53:04

CH132047_15M_QPSK_Above 1G_1RB0



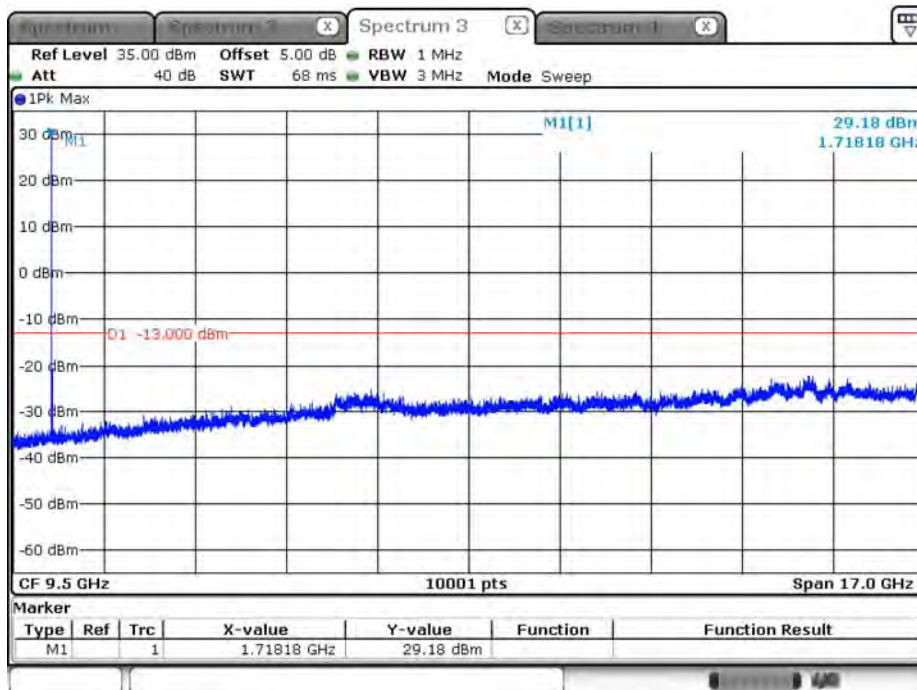
Date: 24.MAY.2018 13:07:20

CH132047_15M_QPSK_Under 1G_1RB0



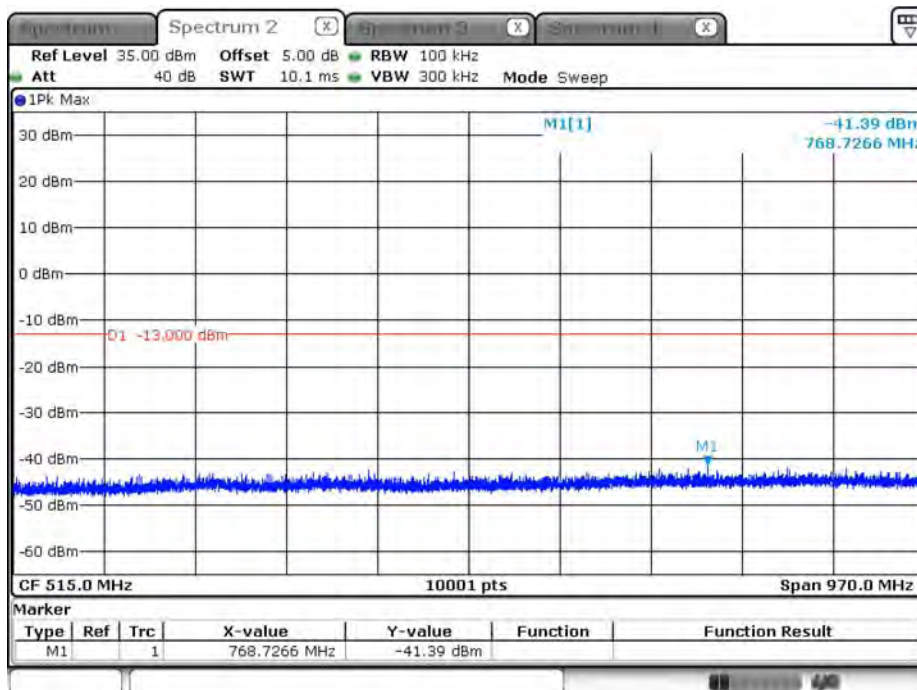
Date: 24.MAY.2018 13:06:15

CH132047_15M_16-QAM_Above 1G_1RB37



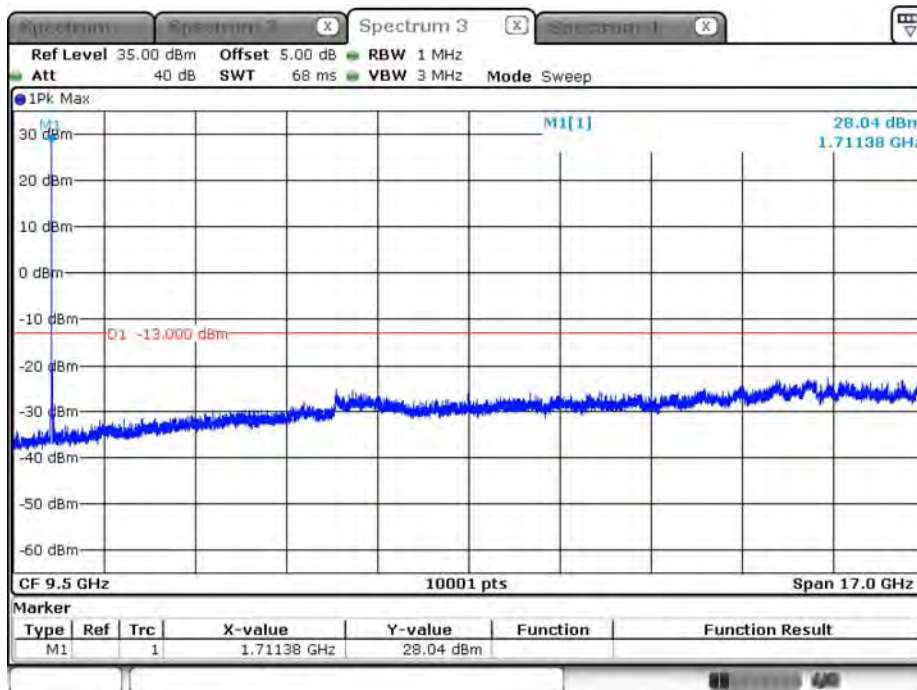
Date: 24.MAY.2018 13:11:58

CH132047_15M_16-QAM_Under 1G_1RB37



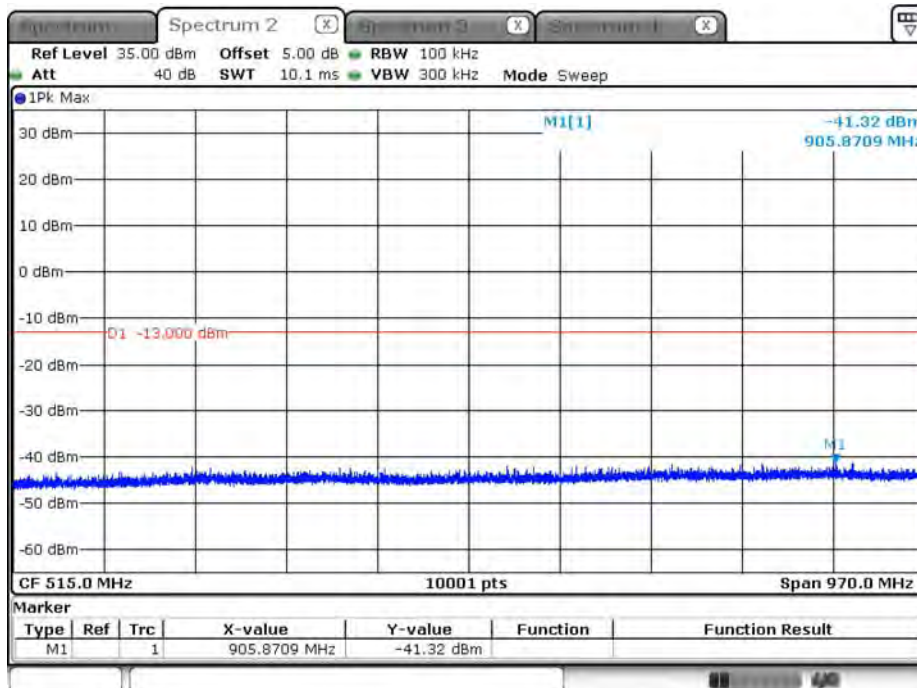
Date: 24.MAY.2018 13:12:56

CH132072_20M_QPSK_Above 1G_1RB0



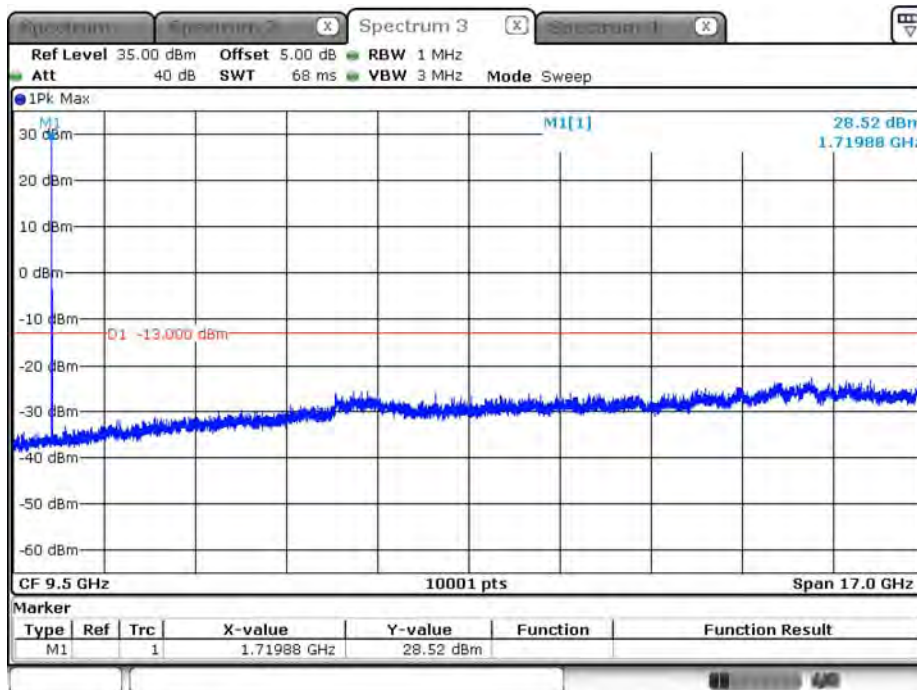
Date: 24.MAY.2018 13:20:38

CH132072_20M_QPSK_Under 1G_1RB0



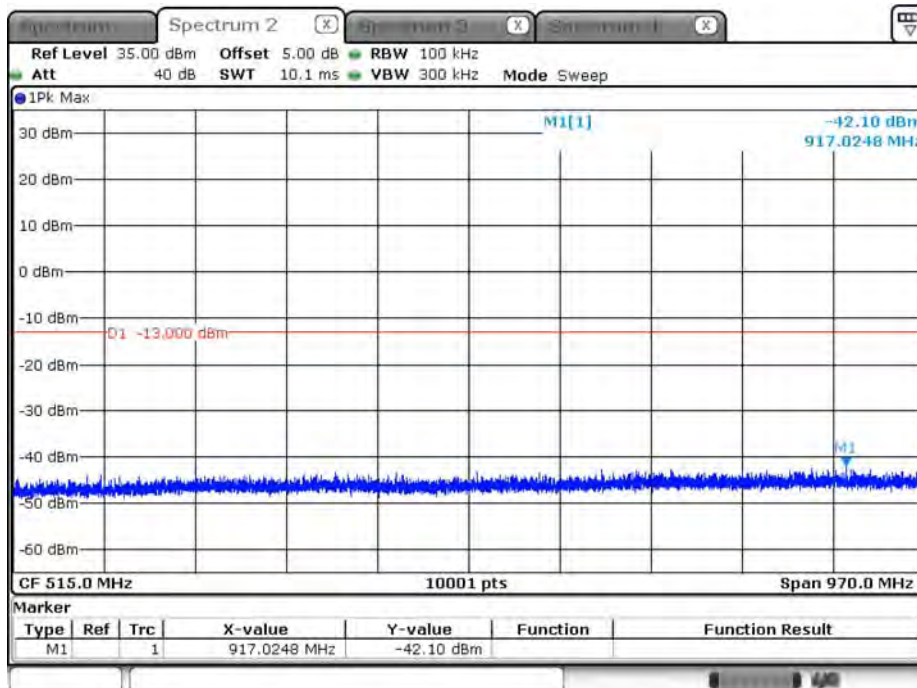
Date: 24.MAY.2018 13:19:51

CH132072_20M_16-QAM_Above 1G_1RB49



Date: 24.MAY.2018 13:23:54

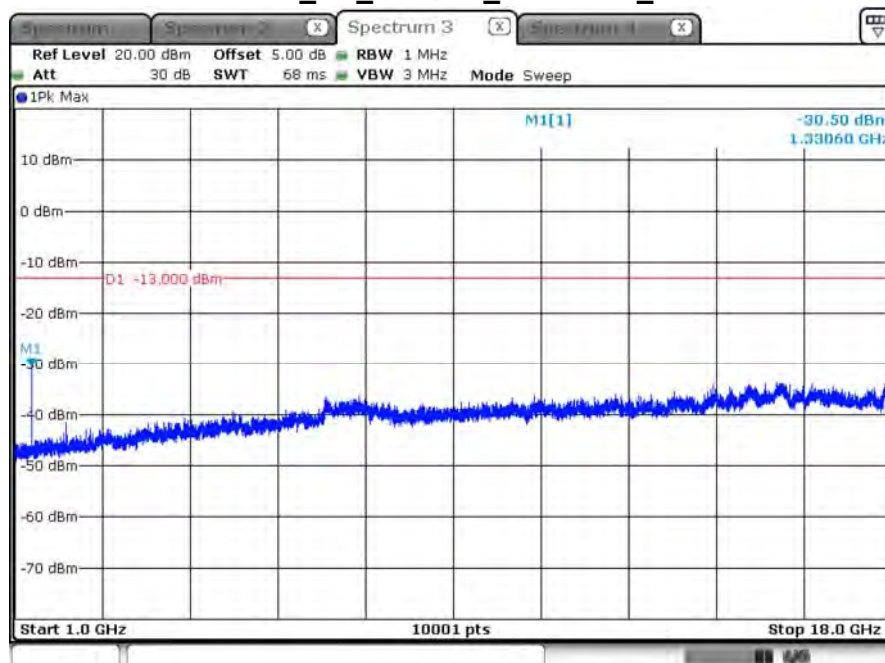
CH132072_20M_16-QAM_Under 1G_1RB49



Date: 24.MAY.2018 13:24:40

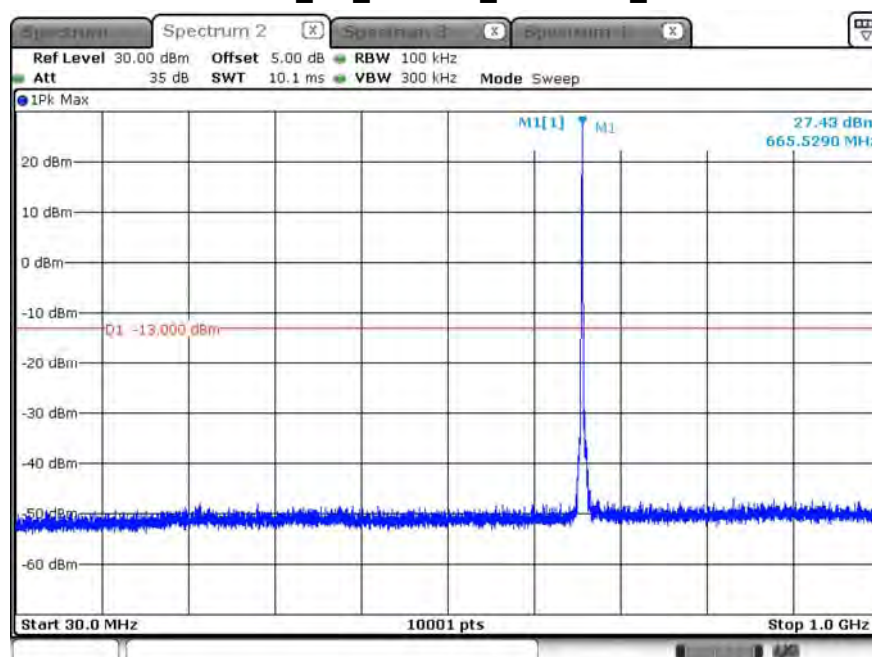
Product	LM960		
Test Item	Conducted Spurious Emissions		
Test Mode	Mode 17: LTE Band 71		
Date of Test	2018/05/22	Test Site	SR10-H

CH133147_5M_16-QAM_Above 1G_1RB12



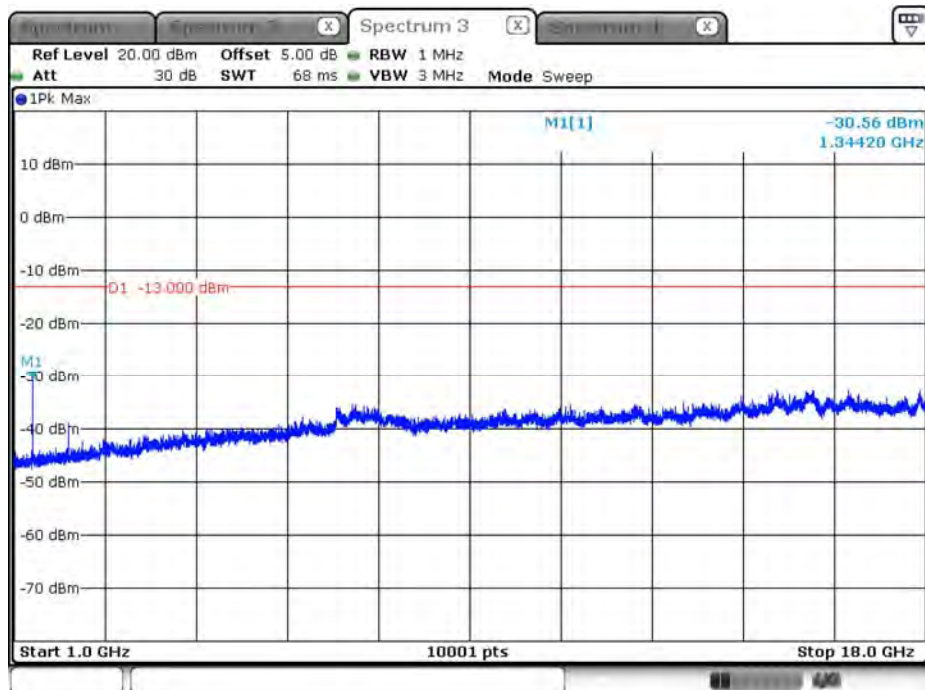
Date: 22 MAY 2018 10:30:10

CH133147_5M_16-QAM_Below 1G_1RB12



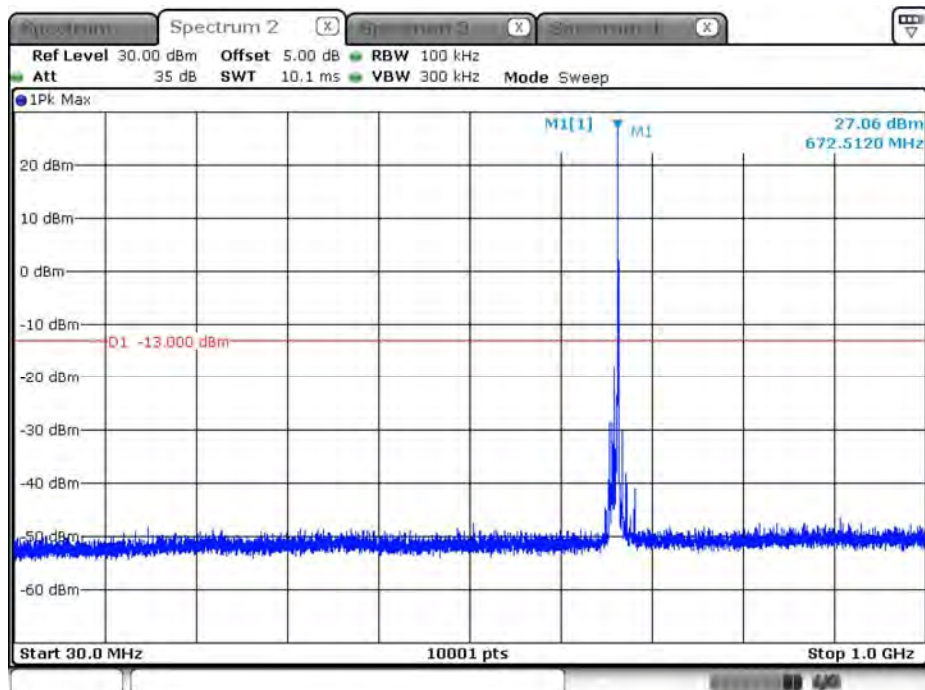
Date: 22 MAY 2018 10:29:44

CH133172_10M_16-QAM_Above 1G_1RB49



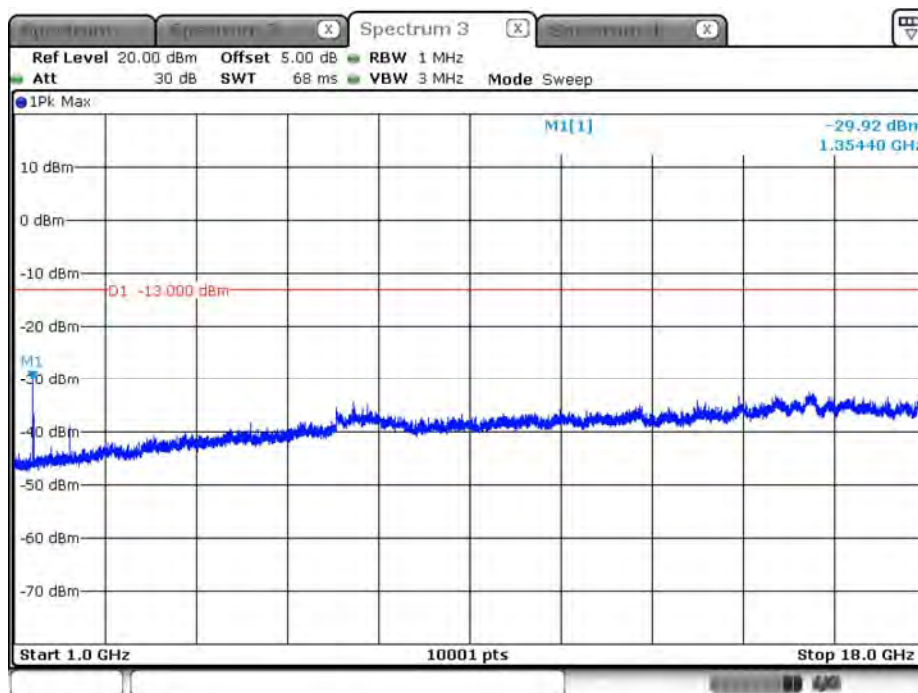
Date: 22.MAY.2018 10:38:11

CH133172_10M_16-QAM_Below 1G_1RB49



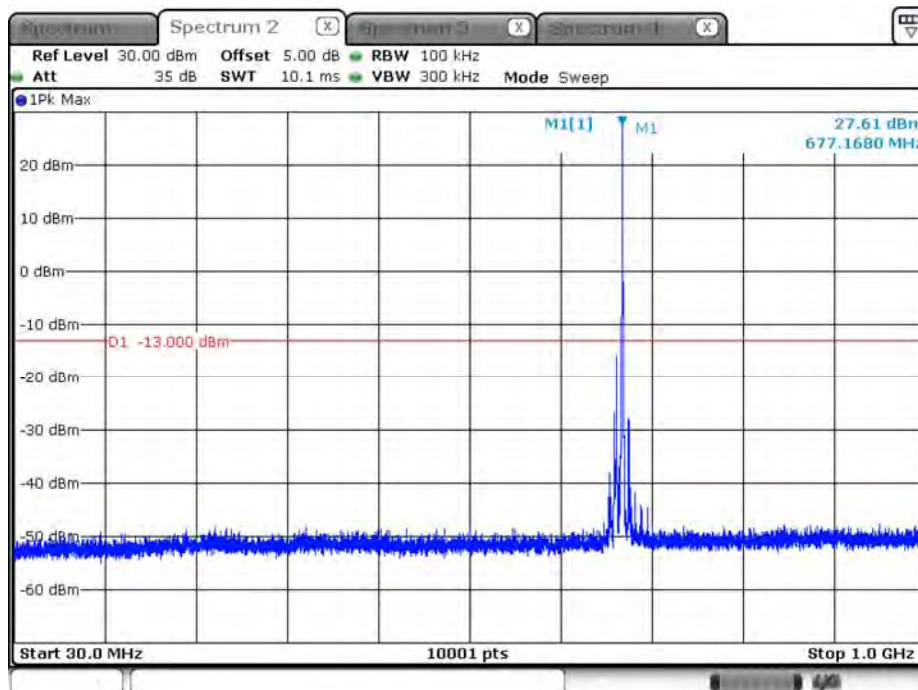
Date: 22.MAY.2018 10:36:47

CH133197_15M_16-QAM_Above 1G_1RB74



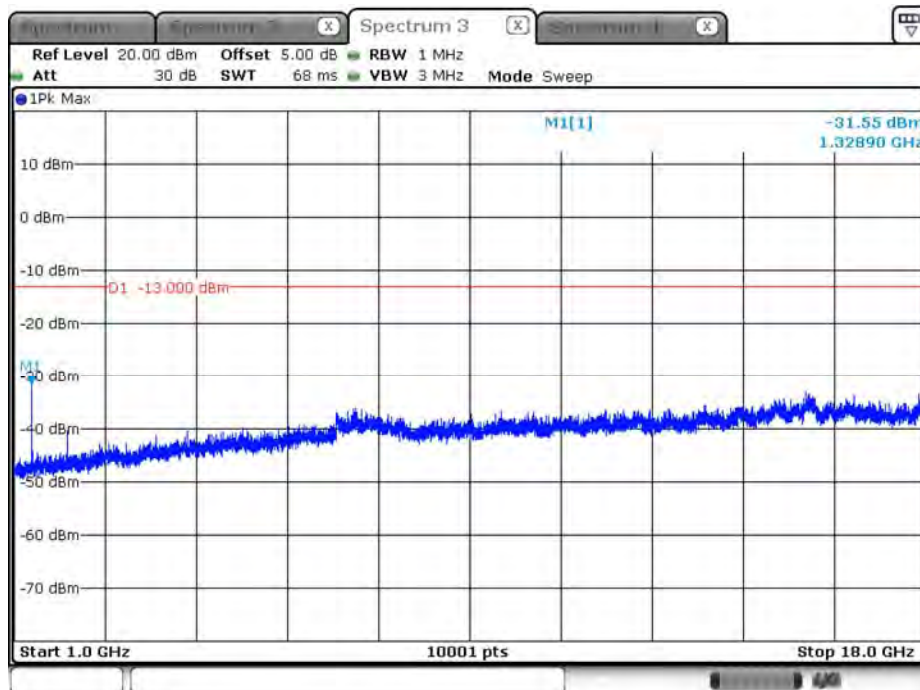
Date: 22.MAY.2018 13:40:47

CH133197_15M_16-QAM_Below 1G_1RB74



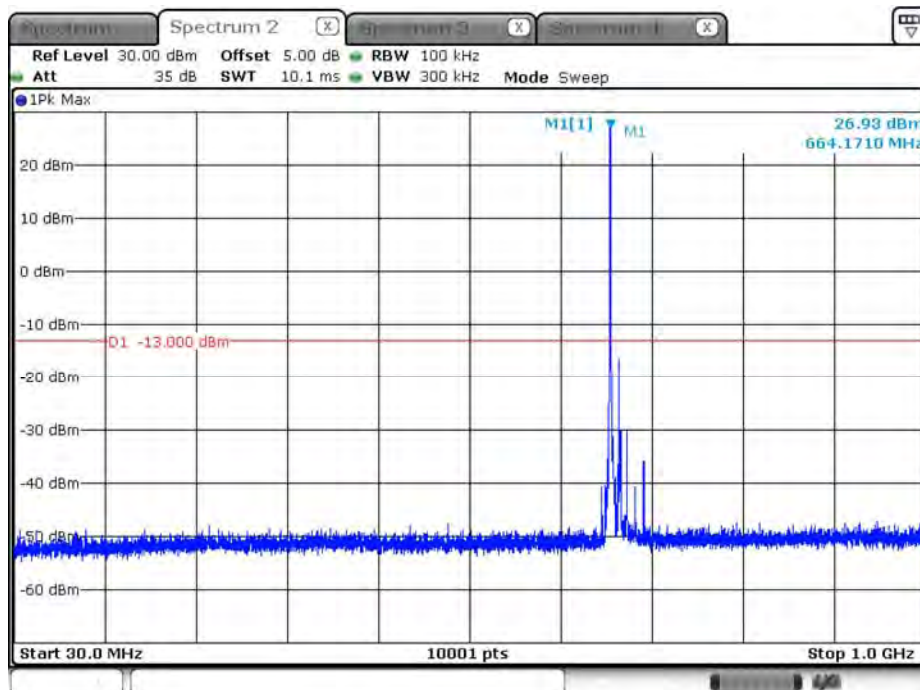
Date: 22.MAY.2018 13:37:35

CH133222_20M_16-QAM_Above 1G_1RB0



Date: 22.MAY.2018 13:48:00

CH133222_20M_16-QAM_Below 1G_1RB0



Date: 22.MAY.2018 13:47:23

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 2_1.4M_QPSK_3RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19193 (1909.30MHz)								
3818.60	-63.380	H	-64.067	4.385	11.727	-56.725	-13	-43.725
5727.90	-39.470	H	-34.290	5.269	12.900	-26.659	-13	-13.659
3818.60	-64.290	V	-64.783	4.385	11.727	-57.441	-13	-44.441
5727.90	-33.750	V	-28.579	5.269	12.900	-20.948	-13	-7.948

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_1.4M_16-QAM_1RB5_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19193 (1909.30MHz)								
3818.60	-64.250	H	-64.937	4.385	11.727	-57.595	-13	-44.595
5727.90	-40.640	H	-35.460	5.269	12.900	-27.829	-13	-14.829
3818.60	-66.240	V	-66.733	4.385	11.727	-59.391	-13	-46.391
5727.90	-38.310	V	-33.139	5.269	12.900	-25.508	-13	-12.508

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19185 (1908.50MHz)								
3817.00	-65.770	H	-66.460	4.384	11.729	-59.114	-13	-46.114
5725.50	-42.290	H	-37.118	5.268	12.900	-29.486	-13	-16.486
3817.00	-63.980	V	-64.476	4.384	11.729	-57.130	-13	-44.130
5725.50	-35.020	V	-29.852	5.268	12.900	-22.220	-13	-9.220

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880.00MHz)								
3760.00	-63.340	H	-64.149	4.335	11.832	-56.652	-13	-43.652
5640.00	-37.080	H	-32.185	5.235	12.900	-24.520	-13	-11.520
3760.00	-65.360	V	-65.970	4.335	11.832	-58.473	-13	-45.473
5640.00	-36.269	V	-31.215	5.235	12.900	-23.550	-13	-10.550

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19175 (1907.50MHz)								
3815.00	-65.610	H	-66.304	4.382	11.733	-58.953	-13	-45.953
5722.50	-41.900	H	-36.738	5.267	12.900	-29.105	-13	-16.105
3815.00	-63.810	V	-64.310	4.382	11.733	-56.959	-13	-43.959
5722.50	-35.170	V	-30.006	5.267	12.900	-22.373	-13	-9.373

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19175 (1907.50MHz)								
3815.00	-66.810	H	-67.504	4.382	11.733	-60.153	-13	-47.153
5722.50	-41.570	H	-36.408	5.267	12.900	-28.775	-13	-15.775
3815.00	-63.860	V	-64.360	4.382	11.733	-57.009	-13	-44.009
5722.50	-34.810	V	-29.646	5.267	12.900	-22.013	-13	-9.013

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19150 (1905.00MHz)								
3810.00	-67.020	H	-67.724	4.378	11.742	-60.360	-13	-47.360
5715.00	-42.680	H	-37.542	5.264	12.900	-29.906	-13	-16.906
3810.00	-64.860	V	-65.564	4.378	11.742	-58.200	-13	-45.200
5715.00	-36.610	V	-31.456	5.264	12.900	-23.820	-13	-10.820

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19150 (1905.00MHz)								
3810.00	-67.480	H	-68.184	4.378	11.742	-60.820	-13	-47.820
5715.00	-42.640	H	-37.502	5.264	12.900	-29.866	-13	-16.866
3810.00	-65.230	V	-65.740	4.378	11.742	-58.376	-13	-45.376
5715.00	-36.650	V	-31.496	5.264	12.900	-23.860	-13	-10.860

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19125 (1902.50MHz)								
3805.00	-65.080	H	-65.795	4.373	11.751	-58.417	-13	-45.417
5707.50	-42.330	H	-37.215	5.262	12.900	-29.577	-13	-16.577
3805.00	-65.180	V	-65.700	4.373	11.751	-58.322	-13	-45.322
5707.50	-36.930	V	-31.785	5.262	12.900	-24.147	-13	-11.147

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_15M_16-QAM_1RB74_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18675 (1857.50MHz)								
3715.00	-65.600	H	-66.647	4.296	11.913	-59.030	-13	-46.030
5572.50	-41.640	H	-36.964	5.209	12.900	-29.273	-13	-16.273
3715.00	-63.330	V	-64.246	4.296	11.913	-56.629	-13	-43.629
5572.50	-37.000	V	-32.037	5.209	12.900	-24.346	-13	-11.346

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19100 (1900.00MHz)								
3800.00	-64.920	H	-65.646	4.369	11.760	-58.255	-13	-45.255
5673.20	-43.240	H	-38.237	5.248	12.900	-30.585	-13	-17.585
3800.00	-65.480	V	-66.010	4.369	11.760	-58.619	-13	-45.619
5700.00	-38.490	V	-33.356	5.259	12.900	-25.715	-13	-12.715

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 2_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19100 (1900.00MHz)								
3800.00	-65.850	H	-66.576	4.369	11.760	-59.185	-13	-46.185
5700.00	-42.840	H	-37.750	5.259	12.900	-30.109	-13	-17.109
3800.00	-64.900	V	-65.430	4.369	11.760	-58.039	-13	-45.039
5700.00	-37.470	V	-32.336	5.259	12.900	-24.695	-13	-11.695

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 4_1.4M_QPSK_3RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19957 (1710.70MHz)								
3421.40	-64.640	H	-67.016	4.064	12.096	-58.985	-13	-45.985
5132.10	-46.070	H	-42.162	5.075	12.238	-34.999	-13	-21.999
3421.40	-62.470	V	-65.135	4.064	12.096	-57.104	-13	-44.104
5132.10	-39.150	V	-34.939	5.075	12.238	-27.776	-13	-14.776

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_1.4M_16-QAM_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.50MHz)								
3465.00	-64.310	H	-66.691	4.090	12.209	-58.572	-13	-45.572
5197.50	-42.590	H	-38.634	5.094	12.356	-31.372	-13	-18.372
3465.00	-59.510	V	-62.183	4.090	12.209	-54.064	-13	-41.064
5197.50	-35.010	V	-30.845	5.094	12.356	-23.583	-13	-10.583

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19965 (1711.50MHz)								
3423.00	-63.820	H	-66.197	4.065	12.100	-58.162	-13	-45.162
5134.50	-42.630	H	-38.720	5.076	12.242	-31.554	-13	-18.554
3423.00	-59.100	V	-61.766	4.065	12.100	-53.731	-13	-40.731
5134.50	-35.940	V	-31.730	5.076	12.242	-24.564	-13	-11.564

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.50MHz)								
3465.00	-63.810	H	-66.191	4.090	12.209	-58.072	-13	-45.072
5197.50	-42.200	H	-38.244	5.094	12.356	-30.982	-13	-17.982
3465.00	-58.860	V	-61.533	4.090	12.209	-53.414	-13	-40.414
5197.50	-34.760	V	-30.595	5.094	12.356	-23.333	-13	-10.333

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19975 (1712.50MHz)								
3425.00	-64.420	H	-66.797	4.066	12.105	-58.758	-13	-45.758
5137.50	-43.110	H	-39.198	5.077	12.248	-32.027	-13	-19.027
3425.00	-59.640	V	-62.306	4.066	12.105	-54.267	-13	-41.267
5137.50	-36.040	V	-31.833	5.077	12.248	-24.662	-13	-11.662

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.50MHz)								
3465.00	-63.350	H	-65.731	4.090	12.209	-57.612	-13	-44.612
5197.50	-42.420	H	-38.464	5.094	12.356	-31.202	-13	-18.202
3465.00	-60.750	V	-63.423	4.090	12.209	-55.304	-13	-42.304
5197.50	-35.260	V	-31.095	5.094	12.356	-23.833	-13	-10.833

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20000 (1715.00MHz)								
3430.00	-64.440	H	-66.817	4.069	12.118	-58.768	-13	-45.768
5145.00	-42.840	H	-38.922	5.079	12.261	-31.740	-13	-18.740
3430.00	-59.900	V	-62.567	4.069	12.118	-54.518	-13	-41.518
5145.00	-35.830	V	-31.628	5.079	12.261	-24.446	-13	-11.446

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.50MHz)								
3465.00	-64.090	H	-66.471	4.090	12.209	-58.352	-13	-45.352
5197.50	-42.420	H	-38.464	5.094	12.356	-31.202	-13	-18.202
3465.00	-60.260	V	-62.933	4.090	12.209	-54.814	-13	-41.814
5197.50	-35.140	V	-30.975	5.094	12.356	-23.713	-13	-10.713

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20025 (1717.50MHz)								
3435.00	-63.880	H	-66.258	4.072	12.131	-58.199	-13	-45.199
5152.50	-42.660	H	-38.737	5.081	12.275	-31.543	-13	-18.543
3435.00	-59.570	V	-62.238	4.072	12.131	-54.179	-13	-41.179
5152.50	-35.950	V	-31.754	5.081	12.275	-24.560	-13	-11.560

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.50MHz)								
3465.00	-63.230	H	-65.611	4.090	12.209	-57.492	-13	-44.492
5197.50	-38.800	H	-34.844	5.094	12.356	-27.582	-13	-14.582
3465.00	-59.910	V	-62.583	4.090	12.209	-54.464	-13	-41.464
5197.50	-35.240	V	-31.075	5.094	12.356	-23.813	-13	-10.813

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20050 (1720.00MHz)								
3440.00	-63.890	H	-66.268	4.075	12.144	-58.199	-13	-45.199
5160.00	-42.680	H	-38.751	5.083	12.288	-31.546	-13	-18.546
3440.00	-60.430	V	-63.099	4.075	12.144	-55.030	-13	-42.030
5160.00	-36.510	V	-32.319	5.083	12.288	-25.114	-13	-12.114

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 4_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20050 (1720.00MHz)								
3440.00	-64.020	H	-66.398	4.075	12.144	-58.329	-13	-45.329
5160.00	-41.730	H	-37.801	5.083	12.288	-30.596	-13	-17.596
3440.00	-58.580	V	-61.249	4.075	12.144	-53.180	-13	-40.180
5160.00	-34.900	V	-30.709	5.083	12.288	-23.504	-13	-10.504

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 3: LTE Band 5		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 5_1.4M_QPSK_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.950	H	-48.445	2.812	8.819	-42.438	-13	-29.438
2509.50	-31.760	H	-23.339	3.463	10.608	-16.194	-13	-3.194
1673.00	-50.100	V	-45.030	2.812	8.819	-39.023	-13	-26.023
2509.50	-29.540	V	-20.730	3.463	10.608	-13.585	-13	-0.585

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_1.4M_16-QAM_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-51.850	H	-47.345	2.812	8.819	-41.338	-13	-28.338
2509.50	-32.390	H	-23.969	3.463	10.608	-16.824	-13	-3.824
1673.00	-48.860	V	-43.790	2.812	8.819	-37.783	-13	-24.783
2509.50	-29.530	V	-20.720	3.463	10.608	-13.575	-13	-0.575

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-55.980	H	-51.475	2.812	8.819	-45.468	-13	-32.468
2509.50	-30.700	H	-22.279	3.463	10.608	-15.134	-13	-2.134
1673.00	-50.210	V	-45.140	2.812	8.819	-39.133	-13	-26.133
2509.50	-29.510	V	-20.700	3.463	10.608	-13.555	-13	-0.555

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-51.930	H	-47.425	2.812	8.819	-41.418	-13	-28.418
2509.50	-31.420	H	-22.999	3.463	10.608	-15.854	-13	-2.854
1673.00	-49.010	V	-43.940	2.812	8.819	-37.933	-13	-24.933
2509.50	-29.520	V	-20.710	3.463	10.608	-13.565	-13	-0.565

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.690	H	-48.185	2.812	8.819	-42.178	-13	-29.178
2509.50	-30.470	H	-22.049	3.463	10.608	-14.904	-13	-1.904
1673.00	-51.030	V	-45.960	2.812	8.819	-39.953	-13	-26.953
2509.50	-29.530	V	-20.720	3.463	10.608	-13.575	-13	-0.575

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20625 (846.50MHz)								
1693.00	-55.860	H	-51.448	2.831	8.879	-45.400	-13	-32.400
2539.50	-31.590	H	-23.062	3.484	10.632	-15.915	-13	-2.915
1693.00	-51.490	V	-46.477	2.831	8.879	-40.429	-13	-27.429
2539.50	-29.500	V	-20.594	3.484	10.632	-13.447	-13	-0.447

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
5020.00	-67.810	H	-53.458	5.043	12.036	-46.465	-13	-33.465
7530.00	-69.810	H	-45.730	6.478	12.277	-39.931	-13	-26.931
5020.00	-66.710	V	-52.719	5.043	12.036	-45.726	-13	-32.726
7530.00	-67.350	V	-43.202	6.478	12.277	-37.403	-13	-24.403

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.520	H	-48.015	2.812	8.819	-42.008	-13	-29.008
2509.50	-30.670	H	-22.249	3.463	10.608	-15.104	-13	-2.104
1673.00	-49.450	V	-44.380	2.812	8.819	-38.373	-13	-25.373
2509.50	-29.290	V	-20.480	3.463	10.608	-13.335	-13	-0.335

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 3: LTE Band 5		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 5_1.4M_QPSK_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.950	H	-48.445	2.812	8.819	-42.438	-13	-29.438
2509.50	-31.760	H	-23.339	3.463	10.608	-16.194	-13	-3.194
1673.00	-50.100	V	-45.030	2.812	8.819	-39.023	-13	-26.023
2509.50	-29.540	V	-20.730	3.463	10.608	-13.585	-13	-0.585

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_1.4M_16-QAM_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-51.850	H	-47.345	2.812	8.819	-41.338	-13	-28.338
2509.50	-32.390	H	-23.969	3.463	10.608	-16.824	-13	-3.824
1673.00	-48.860	V	-43.790	2.812	8.819	-37.783	-13	-24.783
2509.50	-29.530	V	-20.720	3.463	10.608	-13.575	-13	-0.575

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-55.980	H	-51.475	2.812	8.819	-45.468	-13	-32.468
2509.50	-30.700	H	-22.279	3.463	10.608	-15.134	-13	-2.134
1673.00	-50.210	V	-45.140	2.812	8.819	-39.133	-13	-26.133
2509.50	-29.510	V	-20.700	3.463	10.608	-13.555	-13	-0.555

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-51.930	H	-47.425	2.812	8.819	-41.418	-13	-28.418
2509.50	-31.420	H	-22.999	3.463	10.608	-15.854	-13	-2.854
1673.00	-49.010	V	-43.940	2.812	8.819	-37.933	-13	-24.933
2509.50	-29.520	V	-20.710	3.463	10.608	-13.565	-13	-0.565

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.690	H	-48.185	2.812	8.819	-42.178	-13	-29.178
2509.50	-30.470	H	-22.049	3.463	10.608	-14.904	-13	-1.904
1673.00	-51.030	V	-45.960	2.812	8.819	-39.953	-13	-26.953
2509.50	-29.530	V	-20.720	3.463	10.608	-13.575	-13	-0.575

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20625 (846.50MHz)								
1693.00	-55.860	H	-51.448	2.831	8.879	-45.400	-13	-32.400
2539.50	-31.590	H	-23.062	3.484	10.632	-15.915	-13	-2.915
1693.00	-51.490	V	-46.477	2.831	8.879	-40.429	-13	-27.429
2539.50	-29.500	V	-20.594	3.484	10.632	-13.447	-13	-0.447

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
5020.00	-67.810	H	-53.458	5.043	12.036	-46.465	-13	-33.465
7530.00	-69.810	H	-45.730	6.478	12.277	-39.931	-13	-26.931
5020.00	-66.710	V	-52.719	5.043	12.036	-45.726	-13	-32.726
7530.00	-67.350	V	-43.202	6.478	12.277	-37.403	-13	-24.403

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 5_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.50MHz)								
1673.00	-52.520	H	-48.015	2.812	8.819	-42.008	-13	-29.008
2509.50	-30.670	H	-22.249	3.463	10.608	-15.104	-13	-2.104
1673.00	-49.450	V	-44.380	2.812	8.819	-38.373	-13	-25.373
2509.50	-29.290	V	-20.480	3.463	10.608	-13.335	-13	-0.335

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 4: LTE Band 7		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 7_5M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 21100(2535MHz)								
5070.00	-68.770	H	-54.381	5.057	12.126	-47.312	-25	-22.312
7605.00	-68.850	H	-44.349	6.579	12.345	-38.583	-25	-13.583
5070.00	-66.600	V	-52.550	5.057	12.126	-45.481	-25	-20.481
7605.00	-68.130	V	-43.690	6.579	12.345	-37.924	-25	-12.924

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 21425(2567.5MHz)								
5135.00	-68.220	H	-53.493	5.076	12.243	-46.326	-25	-21.326
7702.50	-70.140	H	-45.286	6.710	12.432	-39.564	-25	-14.564
5135.00	-65.020	V	-50.604	5.076	12.243	-43.437	-25	-18.437
7702.50	-68.180	V	-43.555	6.710	12.432	-37.833	-25	-12.833

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_10M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 21100(2535MHz)								
5070.00	-67.560	H	-53.171	5.057	12.126	-46.102	-25	-21.102
7605.00	-69.880	H	-45.379	6.579	12.345	-39.613	-25	-14.613
5070.00	-66.110	V	-52.060	5.057	12.126	-44.991	-25	-19.991
7605.00	-68.240	V	-43.800	6.579	12.345	-38.034	-25	-13.034

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_10M_16-QAM_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 21100(2535MHz)								
5070.00	-69.180	H	-54.791	5.057	12.126	-47.722	-25	-22.722
7605.00	-70.380	H	-45.879	6.579	12.345	-40.113	-25	-15.113
5070.00	-66.200	V	-52.150	5.057	12.126	-45.081	-25	-20.081
7605.00	-68.090	V	-43.650	6.579	12.345	-37.884	-25	-12.884

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20825(2537.5MHz)								
5015.00	-68.200	H	-53.841	5.041	12.027	-46.855	-25	-21.855
7522.50	-69.380	H	-45.401	6.468	12.270	-39.599	-25	-14.599
5015.00	-66.120	V	-52.125	5.041	12.027	-45.139	-25	-20.081
7522.50	-68.050	V	-43.990	6.468	12.270	-38.188	-25	-12.884

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20825(2537.5MHz)								
5015.00	-68.960	H	-54.601	5.041	12.027	-47.615	-25	-22.615
7522.50	-69.940	H	-45.961	6.468	12.270	-40.159	-25	-15.159
5015.00	-65.750	V	-51.755	5.041	12.027	-44.769	-25	-19.769
7522.50	-68.160	V	-44.100	6.468	12.270	-38.298	-25	-13.298

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20850(2510MHz)								
5020.00	-67.810	H	-53.458	5.043	12.036	-46.465	-25	-21.465
7530.00	-69.810	H	-45.730	6.478	12.277	-39.931	-25	-14.931
5020.00	-66.710	V	-52.719	5.043	12.036	-45.726	-25	-20.726
7530.00	-67.350	V	-43.202	6.478	12.277	-37.403	-25	-12.403

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 7_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20850(2510MHz)								
5020.00	-67.890	H	-53.538	5.043	12.036	-46.545	-25	-21.545
7530.00	-70.330	H	-46.250	6.478	12.277	-40.451	-25	-15.451
5020.00	-66.210	V	-52.219	5.043	12.036	-45.226	-25	-20.226
7530.00	-68.340	V	-44.192	6.478	12.277	-38.393	-25	-13.393

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 5: LTE Band 12		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 12_1.4M_QPSK_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23017(699.70MHz)								
1399.40	-68.200	H	-62.354	2.572	7.817	-57.109	-13	-44.109
2099.10	-57.260	H	-49.977	3.179	9.959	-43.197	-13	-30.197
1399.40	-66.180	V	-60.125	2.572	7.817	-54.880	-13	-41.880
2099.10	-55.540	V	-48.246	3.179	9.959	-41.466	-13	-28.466

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_1.4M_16-QAM_1RB2_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23097 (707.50MHz)								
1415.00	-67.030	H	-61.295	2.585	7.892	-55.988	-13	-42.988
2122.50	-56.480	H	-48.910	3.195	9.996	-42.109	-13	-29.109
1415.00	-62.500	V	-56.550	2.585	7.892	-51.243	-13	-38.243
2122.50	-52.940	V	-45.381	3.195	9.996	-38.580	-13	-25.580

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23025 (700.50MHz)								
1401.00	-67.890	H	-62.054	2.574	7.825	-56.803	-13	-43.803
2101.50	-57.240	H	-49.918	3.180	9.962	-43.136	-13	-30.136
1401.00	-66.430	V	-60.384	2.574	7.825	-55.133	-13	-42.133
2101.50	-55.830	V	-48.498	3.180	9.962	-41.716	-13	-28.716

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23097 (707.50MHz)								
1415.00	-66.930	H	-61.195	2.585	7.892	-55.888	-13	-42.888
2122.50	-56.740	H	-49.170	3.195	9.996	-42.369	-13	-29.369
1415.00	-65.740	V	-59.790	2.585	7.892	-54.483	-13	-41.483
2122.50	-53.140	V	-45.581	3.195	9.996	-38.780	-13	-25.780

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23035 (701.50MHz)								
1403.00	-68.430	H	-62.607	2.575	7.834	-57.348	-13	-44.348
2104.50	-61.850	H	-54.479	3.182	9.967	-47.694	-13	-34.694
1403.00	-66.240	V	-60.206	2.575	7.834	-54.947	-13	-41.947
2104.50	-55.550	V	-48.173	3.182	9.967	-41.388	-13	-28.388

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23155 (713.50MHz)								
1427.00	-68.470	H	-62.831	2.595	7.950	-57.476	-13	-44.476
2140.50	-55.660	H	-47.848	3.207	10.025	-41.030	-13	-28.030
1427.00	-66.640	V	-60.782	2.595	7.950	-55.427	-13	-42.427
2140.50	-51.150	V	-43.367	3.207	10.025	-36.549	-13	-23.549

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23060 (704MHz)								
1408.00	-67.120	H	-61.329	2.579	7.858	-56.050	-13	-43.050
2112.00	-59.640	H	-52.185	3.188	9.979	-45.393	-13	-32.393
1408.00	-65.610	V	-59.606	2.579	7.858	-54.327	-13	-41.327
2112.00	-53.390	V	-45.936	3.188	9.979	-39.144	-13	-26.144

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 12_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23130 (711MHz)								
1422.00	-66.550	H	-60.872	2.591	7.926	-55.537	-13	-42.537
2133.00	-54.510	H	-46.802	3.202	10.013	-39.991	-13	-26.991
1422.00	-62.420	V	-56.524	2.591	7.926	-51.189	-13	-38.189
2133.00	-51.970	V	-44.284	3.202	10.013	-37.473	-13	-24.473

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 6: LTE Band 13		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 13_5M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23230(782MHz)								
1564.00	-65.590	H	-60.620	2.713	8.492	-54.841	-13	-41.841
2346.00	-35.840	H	-26.896	3.349	10.354	-19.892	-13	-6.892
1564.00	-59.150	V	-53.815	2.713	8.492	-48.036	-13	-35.036
2346.00	-31.570	V	-22.564	3.349	10.354	-15.560	-13	-2.560

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 13_5M_16-QAM_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23255(784.5MHz)								
1569.00	-63.330	H	-58.408	2.718	8.507	-52.619	-13	-39.619
2353.50	-34.710	H	-25.806	3.355	10.366	-18.795	-13	-5.795
1569.00	-58.610	V	-53.314	2.718	8.507	-47.525	-13	-34.525
2353.50	-29.310	V	-20.328	3.355	10.366	-13.317	-13	-0.317

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 13_10M_QPSK_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23230(782MHz)								
1564.00	-63.050	H	-58.080	2.713	8.492	-52.301	-13	-39.301
2346.00	-35.550	H	-26.606	3.349	10.354	-19.602	-13	-6.602
1564.00	-57.010	V	-51.675	2.713	8.492	-45.896	-13	-32.896
2346.00	-30.010	V	-21.004	3.349	10.354	-14.000	-13	-1.000

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 13_10M_16-QAM _1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23230(782MHz)								
1564.00	-60.480	H	-55.510	2.713	8.492	-49.731	-13	-36.731
2346.00	-34.450	H	-25.506	3.349	10.354	-18.502	-13	-5.502
1564.00	-59.500	V	-54.165	2.713	8.492	-48.386	-13	-35.386
2346.00	-29.380	V	-20.374	3.349	10.354	-13.370	-13	-0.370

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 7: LTE Band 14		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 14_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23305 (790.50MHz)								
1581.00	-58.550	H	-63.866	2.729	8.543	-58.052	-13	-45.052
2371.50	-36.540	H	-38.693	3.367	10.394	-31.666	-13	-18.666
1581.00	-55.460	V	-62.149	2.729	8.543	-56.335	-13	-43.335
2371.50	-30.040	V	-33.211	3.367	10.394	-26.184	-13	-13.184

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 14_5M_16-QAM_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23305 (790.50MHz)								
1581.00	-58.470	H	-63.786	2.729	8.543	-57.972	-13	-44.972
2371.50	-36.570	H	-38.723	3.367	10.394	-31.696	-13	-18.696
1581.00	-55.620	V	-62.309	2.729	8.543	-56.495	-13	-43.495
2371.50	-29.170	V	-32.341	3.367	10.394	-25.314	-13	-12.314

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 14_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23330 (793.00MHz)								
1586.00	-56.230	H	-61.593	2.733	8.558	-55.768	-13	-42.768
2379.00	-38.780	H	-40.980	3.372	10.406	-33.946	-13	-20.946
1586.00	-58.320	V	-65.042	2.733	8.558	-59.217	-13	-46.217
2379.00	-31.420	V	-34.623	3.372	10.406	-27.589	-13	-14.589

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 14_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23330 (793.00MHz)								
1586.00	-56.320	H	-61.683	2.733	8.558	-55.858	-13	-42.858
2379.00	-38.440	H	-40.640	3.372	10.406	-33.606	-13	-20.606
1586.00	-56.250	V	-62.972	2.733	8.558	-57.147	-13	-44.147
2379.00	-31.470	V	-34.673	3.372	10.406	-27.639	-13	-14.639

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 8: LTE Band 17		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 17_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23755 (706.50MHz)								
1413.00	-59.170	H	-63.307	2.583	7.882	-58.008	-13	-45.008
2119.50	-53.950	H	-58.056	3.193	9.991	-51.257	-13	-38.257
1413.00	-58.530	V	-64.066	2.583	7.882	-58.767	-13	-45.767
2119.50	-50.930	V	-55.899	3.193	9.991	-49.100	-13	-36.100

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 17_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23790 (710.00MHz)								
1420.00	-59.470	H	-63.642	2.589	7.916	-58.315	-13	-45.315
2310.00	-53.260	H	-55.029	3.325	10.296	-48.058	-13	-35.058
1420.00	-57.400	V	-62.986	2.589	7.916	-57.659	-13	-44.659
2130.00	-49.160	V	-53.942	3.200	10.008	-47.134	-13	-34.134

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 17_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23790 (710.00MHz)								
1420.00	-59.390	H	-63.562	2.589	7.916	-58.235	-13	-45.235
2130.00	-58.220	H	-62.106	3.200	10.008	-55.298	-13	-42.298
1420.00	-57.760	V	-63.346	2.589	7.916	-58.019	-13	-45.019
2130.00	-49.400	V	-54.182	3.200	10.008	-47.374	-13	-34.374

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 17_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23790 (710.00MHz)								
1420.00	-59.510	H	-63.682	2.589	7.916	-58.355	-13	-45.355
2130.00	-52.150	H	-56.036	3.200	10.008	-49.228	-13	-36.228
1420.00	-57.190	V	-62.776	2.589	7.916	-57.449	-13	-44.449
2310.00	-49.720	V	-52.637	3.325	10.296	-45.666	-13	-32.666

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 9: LTE Band 18		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 18_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23925 (822.50MHz)								
1645.00	-50.480	H	-56.389	2.787	8.735	-50.441	-13	-37.441
2467.50	-29.400	H	-32.152	3.434	10.548	-25.038	-13	-12.038
1645.00	-45.710	V	-52.821	2.787	8.735	-46.873	-13	-33.873
2467.50	-24.260	V	-27.828	3.434	10.548	-20.714	-13	-7.714

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 18_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23975 (827.50MHz)								
1655.00	-50.389	H	-56.391	2.796	8.765	-50.422	-13	-37.422
2482.50	-25.547	H	-28.389	3.444	10.572	-21.261	-13	-8.261
1655.00	-46.237	V	-53.416	2.796	8.765	-47.447	-13	-34.447
2482.50	-20.631	V	-24.258	3.444	10.572	-17.130	-13	-4.130

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 18_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23950 (825.00MHz)								
1650.00	-49.450	H	-55.406	2.792	8.750	-49.447	-13	-36.447
2475.00	-30.870	H	-34.470	3.439	10.560	-27.349	-13	-14.349
1650.00	-56.000	V	-63.145	2.792	8.750	-57.186	-13	-44.186
2475.00	-22.250	V	-25.850	3.439	10.560	-18.729	-13	-5.729

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 18_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23950 (825.00MHz)								
1650.00	-47.630	H	-53.586	2.792	8.750	-47.627	-13	-34.627
2475.00	-21.330	H	-24.129	3.439	10.560	-17.008	-13	-4.008
1650.00	-46.310	V	-53.455	2.792	8.750	-47.496	-13	-34.496
2475.00	-20.230	V	-23.830	3.439	10.560	-16.709	-13	-3.709

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 18_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23925 (822.50MHz)								
1645.00	-50.630	H	-56.539	2.787	8.735	-50.591	-13	-37.591
2467.50	-23.270	H	-26.022	3.434	10.548	-18.908	-13	-5.908
1645.00	-45.360	V	-52.471	2.787	8.735	-46.523	-13	-33.523
2467.50	-20.150	V	-23.718	3.434	10.548	-16.604	-13	-3.604

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 18_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23925 (822.50MHz)								
1645.00	-48.330	H	-54.239	2.787	8.735	-48.291	-13	-35.291
2467.50	-24.680	H	-27.432	3.434	10.548	-20.318	-13	-7.318
1645.00	-46.580	V	-53.691	2.787	8.735	-47.743	-13	-34.743
2467.50	-19.870	V	-23.438	3.434	10.548	-16.324	-13	-3.324

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 10: LTE Band 19		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 19_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24025 (832.50MHz)								
1665.00	-49.360	H	-55.456	2.805	8.795	-49.466	-13	-36.466
2497.50	-24.930	H	-27.840	3.454	10.596	-20.698	-13	-7.698
1665.00	-46.550	V	-53.796	2.805	8.795	-47.806	-13	-34.806
2497.50	-19.630	V	-23.294	3.454	10.596	-16.152	-13	-3.152

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 19_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24125 (842.50MHz)								
1685.00	-46.950	H	-53.233	2.823	8.855	-47.201	-13	-34.201
2527.50	-24.980	H	-27.834	3.476	10.622	-20.688	-13	-7.688
1685.00	-49.750	V	-57.130	2.823	8.855	-51.098	-13	-38.098
2527.50	-25.480	V	-29.027	3.476	10.622	-21.881	-13	-8.881

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 19_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24100 (840.00MHz)								
1680.00	-50.350	H	-56.586	2.819	8.840	-50.565	-13	-37.565
2520.00	-22.360	H	-25.233	3.470	10.616	-18.087	-13	-5.087
1680.00	-46.830	V	-54.176	2.819	8.840	-48.155	-13	-35.155
2520.00	-19.770	V	-23.351	3.470	10.616	-16.205	-13	-3.205

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 19_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24100 (840.00MHz)								
1680.00	-49.930	H	-56.166	2.819	8.840	-50.145	-13	-37.145
2520.00	-24.630	H	-27.503	3.470	10.616	-20.357	-13	-7.357
1680.00	-46.310	V	-53.656	2.819	8.840	-47.635	-13	-34.635
2520.00	-20.130	V	-23.711	3.470	10.616	-16.565	-13	-3.565

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 19_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24075 (837.50MHz)								
1675.00	-50.360	H	-56.550	2.814	8.825	-50.539	-13	-37.539
2512.50	-24.630	H	-27.521	3.465	10.610	-20.376	-13	-7.376
1675.00	-46.380	V	-53.693	2.814	8.825	-47.682	-13	-34.682
2512.50	-19.830	V	-23.444	3.465	10.610	-16.299	-13	-3.299

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 19_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 24075 (837.50MHz)								
1675.00	-50.590	H	-56.780	2.814	8.825	-50.769	-13	-37.769
2512.50	-24.360	H	-27.251	3.465	10.610	-20.106	-13	-7.106
1675.00	-46.870	V	-54.183	2.814	8.825	-48.172	-13	-35.172
2512.50	-19.880	V	-23.494	3.465	10.610	-16.349	-13	-3.349

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 11: LTE Band 25		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 25_1.4M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26683 (1914.30MHz)								
3828.60	-66.870	H	-67.536	4.394	11.709	-60.221	-13	-47.221
5742.90	-43.280	H	-38.051	5.275	12.900	-30.426	-13	-17.426
3828.60	-65.720	V	-66.193	4.394	11.709	-58.878	-13	-45.878
5742.90	-36.340	V	-31.149	5.275	12.900	-23.524	-13	-10.524

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_1.4M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26683 (1914.30MHz)								
3828.60	-67.090	H	-67.756	4.394	11.709	-60.441	-13	-47.441
5742.90	-43.040	H	-37.811	5.275	12.900	-30.186	-13	-17.186
3828.60	-65.490	V	-65.963	4.394	11.709	-58.648	-13	-45.648
5742.90	-36.000	V	-30.809	5.275	12.900	-23.184	-13	-10.184

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26675 (1913.50MHz)								
3827.00	-67.390	H	-68.059	4.392	11.711	-60.740	-13	-47.740
5740.50	-43.270	H	-38.049	5.274	12.900	-30.423	-13	-17.423
3827.00	-66.500	V	-66.976	4.392	11.711	-59.657	-13	-46.657
5740.50	-36.720	V	-31.532	5.274	12.900	-23.906	-13	-10.906

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26675 (1913.50MHz)								
3827.00	-67.320	H	-67.989	4.392	11.711	-60.670	-13	-47.670
5740.50	-42.840	H	-37.619	5.274	12.900	-29.993	-13	-16.993
3827.00	-65.810	V	-66.286	4.392	11.711	-58.967	-13	-45.967
5740.50	-35.740	V	-30.552	5.274	12.900	-22.926	-13	-9.926

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26665 (1912.50MHz)								
3825.00	-67.910	H	-68.583	4.391	11.715	-61.258	-13	-48.258
5737.50	-43.260	H	-38.049	5.273	12.900	-30.422	-13	-17.422
3825.00	-65.990	V	-66.470	4.391	11.715	-59.145	-13	-46.145
5737.50	-37.330	V	-32.146	5.273	12.900	-24.519	-13	-11.519

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26365 (1882.50MHz)								
3765.00	-66.960	H	-67.759	4.339	11.823	-60.275	-13	-47.275
5647.50	-44.400	H	-39.481	5.238	12.900	-31.819	-13	-18.819
3765.00	-64.740	V	-65.341	4.339	11.823	-57.857	-13	-44.857
5647.50	-38.240	V	-33.176	5.238	12.900	-25.514	-13	-12.514

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26640 (1910.00MHz)								
3820.00	-67.870	H	-68.554	4.386	11.724	-61.216	-13	-48.216
5730.00	-44.980	H	-39.793	5.270	12.900	-32.163	-13	-19.163
3820.00	-65.890	V	-66.380	4.386	11.724	-59.042	-13	-46.042
5730.00	-38.650	V	-33.476	5.270	12.900	-25.846	-13	-12.846

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26640 (1910.00MHz)								
3820.00	-67.400	H	-68.084	4.386	11.724	-60.746	-13	-47.746
5730.00	-44.650	H	-39.463	5.270	12.900	-31.833	-13	-18.833
3820.00	-65.840	V	-66.330	4.386	11.724	-58.992	-13	-45.992
5730.00	-38.390	V	-33.216	5.270	12.900	-25.586	-13	-12.586

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26615 (1907.50MHz)								
3815.00	-68.060	H	-68.754	4.382	11.733	-61.403	-13	-48.403
5722.50	-46.440	H	-41.278	5.267	12.900	-33.645	-13	-20.645
3815.00	-65.040	V	-65.540	4.382	11.733	-58.189	-13	-45.189
5722.50	-40.110	V	-34.946	5.267	12.900	-27.313	-13	-14.313

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26615 (1907.50MHz)								
3815.00	-66.400	H	-67.094	4.382	11.733	-59.743	-13	-46.743
5722.50	-44.630	H	-39.468	5.267	12.900	-31.835	-13	-18.835
3815.00	-63.280	V	-63.780	4.382	11.733	-56.429	-13	-43.429
5722.50	-37.950	V	-32.786	5.267	12.900	-25.153	-13	-12.153

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26590 (1905.00MHz)								
3810.00	-67.130	H	-67.834	4.378	11.742	-60.470	-13	-47.470
5715.00	-45.160	H	-40.022	5.264	12.900	-32.386	-13	-19.386
3810.00	-65.480	V	-65.990	4.378	11.742	-58.626	-13	-45.626
5715.00	-39.010	V	-33.856	5.264	12.900	-26.220	-13	-13.220

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 25_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26590 (1905.00MHz)								
3810.00	-67.370	H	-68.074	4.378	11.742	-60.710	-13	-47.710
5715.00	-44.420	H	-39.282	5.264	12.900	-31.646	-13	-18.646
3810.00	-64.310	V	-64.820	4.378	11.742	-57.456	-13	-44.456
5715.00	-37.880	V	-32.726	5.264	12.900	-25.090	-13	-12.090

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 12: LTE Band 26		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 26_1.4M_QPSK_3RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27033 (848.30MHz)								
1696.60	-50.260	H	-56.652	2.834	8.890	-50.596	-13	-37.596
2544.90	-24.630	H	-27.441	3.488	10.636	-20.293	-13	-7.293
1696.60	-46.360	V	-53.818	2.834	8.890	-47.762	-13	-34.762
2544.90	-20.360	V	-23.830	3.488	10.636	-16.682	-13	-3.682

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_1.4M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27033 (848.30MHz)								
1696.60	-50.110	H	-56.502	2.834	8.890	-50.446	-13	-37.446
2544.90	-24.620	H	-27.431	3.488	10.636	-20.283	-13	-7.283
1696.60	-50.630	V	-58.088	2.834	8.890	-52.032	-13	-39.032
2544.90	-19.960	V	-23.430	3.488	10.636	-16.282	-13	-3.282

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_3M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27025 (847.50MHz)								
1695.00	-51.630	H	-58.007	2.832	8.885	-51.954	-13	-38.954
2542.50	-26.033	H	-28.851	3.486	10.634	-21.703	-13	-8.703
1695.00	-47.630	V	-55.078	2.832	8.885	-49.025	-13	-36.025
2542.50	-19.630	V	-23.111	3.486	10.634	-15.963	-13	-2.963

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_3M_16-QAM_1RB14_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27025 (847.50MHz)								
1695.00	-48.630	H	-55.007	2.832	8.885	-48.954	-13	-35.954
2542.50	-23.690	H	-26.508	3.486	10.634	-19.360	-13	-6.360
1695.00	-45.630	V	-53.078	2.832	8.885	-47.025	-13	-34.025
2542.50	-20.260	V	-23.741	3.486	10.634	-16.593	-13	-3.593

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_5M_QPSK_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27015 (846.50MHz)								
1693.00	-49.660	H	-56.018	2.831	8.879	-49.970	-13	-36.970
2539.50	-24.660	H	-27.484	3.484	10.632	-20.337	-13	-7.337
1693.00	-44.550	V	-51.984	2.831	8.879	-45.936	-13	-32.936
2539.50	-22.340	V	-25.834	3.484	10.632	-18.687	-13	-5.687

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_5M_16-QAM_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26715 (816.50MHz)								
1633.00	-50.410	H	-56.208	2.776	8.699	-50.285	-13	-37.285
2449.50	-25.630	H	-28.270	3.421	10.519	-21.172	-13	-8.172
1633.00	-45.150	V	-52.182	2.776	8.699	-46.259	-13	-33.259
2449.50	-20.250	V	-23.744	3.421	10.519	-16.646	-13	-3.646

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_10M_QPSK_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26990 (844.00MHz)								
1688.00	-48.630	H	-54.941	2.826	8.864	-48.903	-13	-35.903
2532.00	-23.660	H	-26.503	3.479	10.626	-19.356	-13	-6.356
1688.00	-45.210	V	-52.610	2.826	8.864	-46.572	-13	-33.572
2532.00	-20.660	V	-24.188	3.479	10.626	-17.041	-13	-4.041

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_10M_16-QAM_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26990 (844.00MHz)								
1688.00	-50.450	H	-56.761	2.826	8.864	-50.723	-13	-37.723
2532.00	-26.650	H	-29.493	3.479	10.626	-22.346	-13	-9.346
1688.00	-47.620	V	-55.020	2.826	8.864	-48.982	-13	-35.982
2532.00	-20.140	V	-23.668	3.479	10.626	-16.521	-13	-3.521

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_15M_QPSK_1RB74_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26965 (841.50MHz)								
1683.00	-51.650	H	-57.914	2.822	8.849	-51.887	-13	-38.887
2524.50	-24.680	H	-27.542	3.474	10.620	-20.396	-13	-7.396
1683.00	-46.550	V	-53.916	2.822	8.849	-47.889	-13	-34.889
2524.50	-20.720	V	-24.281	3.474	10.620	-17.135	-13	-4.135

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 26_15M_16-QAM_1RB37_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 26965 (841.50MHz)								
1683.00	-50.360	H	-56.624	2.822	8.849	-50.597	-13	-37.597
2524.50	-24.610	H	-27.472	3.474	10.620	-20.326	-13	-7.326
1683.00	-45.140	V	-52.506	2.822	8.849	-46.479	-13	-33.479
2524.50	-20.220	V	-23.781	3.474	10.620	-16.635	-13	-3.635

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 13: LTE Band 30		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 30_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27685 (2307.50MHz)								
4615.00	-58.460	H	-55.721	4.895	11.769	-48.847	-40	-8.847
6922.50	-59.410	H	-47.057	5.727	11.785	-40.999	-40	-0.999
4615.00	-57.650	V	-54.881	4.895	11.769	-48.007	-40	-8.007
6922.50	-60.009	V	-47.656	5.727	11.785	-41.598	-40	-1.598

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 30_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27685 (2307.50MHz)								
4615.00	-58.630	H	-55.891	4.895	11.769	-49.017	-40	-9.017
6922.50	-59.430	H	-47.077	5.727	11.785	-41.019	-40	-1.019
4615.00	-57.660	V	-54.891	4.895	11.769	-48.017	-40	-8.017
6922.50	-59.521	V	-47.147	5.727	11.785	-41.089	-40	-1.089

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 30_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27710 (2310.00MHz)								
4620.00	-59.110	H	-56.334	4.897	11.772	-49.460	-40	-9.46
6930.00	-64.640	H	-52.221	5.731	11.786	-46.163	-40	-6.163
4620.00	-60.130	V	-57.315	4.897	11.772	-50.441	-40	-10.441
6930.00	-63.540	V	-51.088	5.731	11.786	-45.030	-40	-5.030

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 30_10M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 27710 (2310.00MHz)								
4620.00	-57.630	H	-54.854	4.897	11.772	-47.980	-40	-7.98
6930.00	-58.620	H	-46.201	5.731	11.786	-40.143	-40	-0.143
4620.00	-55.620	V	-52.805	4.897	11.772	-45.931	-40	-5.931
6930.00	-58.640	V	-46.188	5.731	11.786	-40.130	-40	-0.130

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 14: LTE Band 38		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 38_5M_QPSK_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37775(2572.5MHz)								
5145.00	-67.730	H	-53.250	5.079	12.261	-46.068	-25	-21.068
7717.50	-70.650	H	-45.441	6.730	12.446	-39.725	-25	-14.725
5145.00	-66.160	V	-51.986	5.079	12.261	-44.804	-25	-19.804
7717.50	-69.150	V	-44.195	6.730	12.446	-38.479	-25	-13.479

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37775(2572.5MHz)								
5145.00	-68.090	H	-53.610	5.079	12.261	-46.428	-25	-21.428
7717.50	-69.300	H	-44.091	6.730	12.446	-38.375	-25	-13.375
5145.00	-66.690	V	-52.516	5.079	12.261	-45.334	-25	-20.334
7717.50	-68.740	V	-43.785	6.730	12.446	-38.069	-25	-13.069

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_10M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37800(2575MHz)								
5150.00	-65.900	H	-51.485	5.080	12.270	-44.295	-25	-19.295
7725.00	-68.780	H	-43.623	6.740	12.453	-37.911	-25	-12.911
5150.00	-65.650	V	-51.539	5.080	12.270	-44.349	-25	-19.349
7725.00	-66.350	V	-41.460	6.740	12.453	-35.748	-25	-10.748

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_10M_16-QAM_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37800(2575MHz)								
5150.00	-66.260	H	-51.845	5.080	12.270	-44.655	-25	-19.655
7725.00	-69.610	H	-44.453	6.740	12.453	-38.741	-25	-13.741
5150.00	-65.680	V	-51.569	5.080	12.270	-44.379	-25	-19.379
7725.00	-65.480	V	-40.590	6.740	12.453	-34.878	-25	-9.878

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_15M_QPSK_1RB37_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37825(2577.5MHz)								
5155.00	-64.510	H	-50.069	5.082	12.279	-42.872	-25	-17.872
7732.50	-70.420	H	-45.317	6.750	12.459	-39.608	-25	-14.608
5155.00	-62.460	V	-48.321	5.082	12.279	-41.124	-25	-16.124
7732.50	-68.460	V	-43.637	6.750	12.459	-37.928	-25	-12.928

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_15M_16-QAM_1RB37_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 38000(2595MHz)								
5190.00	-65.230	H	-50.790	5.092	12.342	-43.540	-25	-18.54
7785.00	-69.970	H	-44.827	6.821	12.507	-39.141	-25	-14.141
5190.00	-60.600	V	-46.447	5.092	12.342	-39.197	-25	-14.197
7785.00	-67.540	V	-42.768	6.821	12.507	-37.082	-25	-12.082

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_20M_QPSK_1RB99_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 38000(2595MHz)								
5190.00	-66.550	H	-52.110	5.092	12.342	-44.860	-25	-19.86
7785.00	-70.470	H	-45.327	6.821	12.507	-39.641	-25	-14.641
5190.00	-62.100	V	-47.947	5.092	12.342	-40.697	-25	-15.697
7785.00	-68.050	V	-43.278	6.821	12.507	-37.592	-25	-12.592

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 38_20M_16-QAM_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37850(2580MHz)								
5160.00	-67.300	H	-52.834	5.083	12.288	-45.629	-25	-20.629
7740.00	-70.170	H	-45.137	6.760	12.466	-39.431	-25	-14.431
5160.00	-64.250	V	-50.083	5.083	12.288	-42.878	-25	-17.878
7740.00	-68.170	V	-43.430	6.760	12.466	-37.724	-25	-12.724

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 15: LTE Band 41		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 41_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 40620(2593MHz)								
5186.00	-60.720	H	-46.314	5.091	12.335	-39.070	-25	-14.070
7779.00	-69.660	H	-44.545	6.813	12.501	-38.857	-25	-13.857
5186.00	-58.040	V	-43.922	5.091	12.335	-36.678	-25	-11.678
7779.00	-66.530	V	-41.774	6.813	12.501	-36.086	-25	-11.086

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_5M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39675(2498.5MHz)								
4997.00	-63.530	H	-46.742	5.036	11.998	-39.780	-25	-14.780
7495.50	-69.140	H	-45.324	6.431	12.246	-39.509	-25	-14.509
4997.00	-62.210	V	-45.057	5.036	11.998	-38.095	-25	-13.095
7495.50	-67.650	V	-43.734	6.431	12.246	-37.919	-25	-12.919

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_10M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39700(2501MHz)								
5002.00	-66.010	H	-50.028	5.038	12.004	-43.062	-25	-18.062
7503.00	-69.870	H	-46.056	6.442	12.253	-40.245	-25	-15.245
5002.00	-65.010	V	-48.906	5.038	12.004	-41.940	-25	-16.94
7503.00	-67.530	V	-43.616	6.442	12.253	-37.805	-25	-12.805

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_10M_16-QAM_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 41540(2685MHz)								
5370.00	-57.860	H	-43.441	5.144	12.666	-35.919	-25	-10.919
8055.00	-70.540	H	-44.489	7.184	12.750	-38.923	-25	-13.923
5370.00	-50.660	V	-36.449	5.144	12.666	-28.927	-25	-3.927
8055.00	-69.390	V	-43.997	7.184	12.750	-38.431	-25	-13.431

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39725(2503.5MHz)								
5007.00	-64.410	H	-49.238	5.039	12.013	-42.264	-25	-17.264
7510.50	-69.680	H	-45.869	6.452	12.259	-40.061	-25	-15.061
5007.00	-63.300	V	-48.249	5.039	12.013	-41.275	-25	-16.275
7510.50	-67.060	V	-43.148	6.452	12.259	-37.340	-25	-12.34

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_15M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39725(2503.5MHz)								
5007.00	-63.940	H	-48.768	5.039	12.013	-41.794	-25	-16.794
7510.50	-70.240	H	-46.429	6.452	12.259	-40.621	-25	-15.621
5007.00	-62.630	V	-47.579	5.039	12.013	-40.605	-25	-15.605
7510.50	-67.720	V	-43.808	6.452	12.259	-38.000	-25	-13.000

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39750(2506MHz)								
5012.00	-64.680	H	-50.317	5.040	12.022	-43.336	-25	-18.336
7518.00	-69.870	H	-45.957	6.462	12.266	-40.153	-25	-15.153
5012.00	-63.150	V	-49.152	5.040	12.022	-42.171	-25	-17.171
7518.00	-69.230	V	-45.228	6.462	12.266	-39.424	-25	-14.424

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 41_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 39750(2506MHz)								
5012.00	-63.660	H	-49.297	5.040	12.022	-42.316	-25	-17.316
7518.00	-69.470	H	-45.557	6.462	12.266	-39.753	-25	-14.753
5012.00	-62.580	V	-48.582	5.040	12.022	-41.601	-25	-16.601
7518.00	-68.780	V	-44.778	6.462	12.266	-38.974	-25	-13.974

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 16: LTE Band 66		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 66_1.4M_QPSK_3RB1_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 131979 (1710.70MHz)								
3421.40	-64.320	H	-66.696	4.064	12.096	-58.665	-13	-45.665
5132.10	-45.370	H	-41.462	5.075	12.238	-34.299	-13	-21.299
3421.40	-61.140	V	-63.805	4.064	12.096	-55.774	-13	-42.774
5132.10	-38.250	V	-34.039	5.075	12.238	-26.876	-13	-13.876

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_1.4M_16-QAM_3RB1_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 131979 (1710.70MHz)								
3421.40	-67.420	H	-69.796	4.064	12.096	-61.765	-13	-48.765
5132.10	-44.600	H	-40.692	5.075	12.238	-33.529	-13	-20.529
3421.40	-59.190	V	-61.855	4.064	12.096	-53.824	-13	-40.824
5132.10	-36.480	V	-32.269	5.075	12.238	-25.106	-13	-12.106

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_3M_QPSK_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 131987 (1711.50MHz)								
3423.00	-66.570	H	-68.947	4.065	12.100	-60.912	-13	-47.912
5134.50	-46.640	H	-42.730	5.076	12.242	-35.564	-13	-22.564
3423.00	-59.530	V	-62.196	4.065	12.100	-54.161	-13	-41.161
5134.50	-38.140	V	-33.930	5.076	12.242	-26.764	-13	-13.764

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_3M_16-QAM_1RB7_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132322 (1745.00MHz)								
3490.00	-65.460	H	-67.843	4.105	12.274	-59.674	-13	-46.674
5235.00	-45.950	H	-41.965	5.105	12.423	-34.647	-13	-21.647
3490.00	-61.010	V	-63.688	4.105	12.274	-55.519	-13	-42.519
5235.00	-37.110	V	-32.971	5.105	12.423	-25.653	-13	-12.653

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_5M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 131997 (1712.50MHz)								
3425.00	-66.790	H	-69.167	4.066	12.105	-61.128	-13	-48.128
5137.50	-46.350	H	-42.438	5.077	12.248	-35.267	-13	-22.267
3425.00	-61.730	V	-64.396	4.066	12.105	-56.357	-13	-43.357
5137.50	-39.280	V	-35.073	5.077	12.248	-27.902	-13	-14.902

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_5M_16-QAM_12RB6_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132647 (1777.50MHz)								
3555.00	-66.380	H	-68.422	4.158	12.201	-60.379	-13	-47.379
5332.50	-49.400	H	-45.257	5.133	12.599	-37.791	-13	-24.791
3555.00	-66.440	V	-68.668	4.158	12.201	-60.625	-13	-47.625
5332.50	-43.310	V	-38.938	5.133	12.599	-31.472	-13	-18.472

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_10M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132022 (1715.00MHz)								
3430.00	-66.970	H	-69.347	4.069	12.118	-61.298	-13	-48.298
5145.00	-45.640	H	-41.722	5.079	12.261	-34.540	-13	-21.540
3430.00	-61.810	V	-64.477	4.069	12.118	-56.428	-13	-43.428
5145.00	-38.760	V	-34.558	5.079	12.261	-27.376	-13	-14.376

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_10M_16-QAM_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132022 (1715.00MHz)								
3430.00	-66.350	H	-68.727	4.069	12.118	-60.678	-13	-47.678
5145.00	-45.610	H	-41.692	5.079	12.261	-34.510	-13	-21.510
3430.00	-60.390	V	-63.057	4.069	12.118	-55.008	-13	-42.008
5145.00	-38.440	V	-34.238	5.079	12.261	-27.056	-13	-14.056

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_15M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132047 (1717.50MHz)								
3435.00	-66.650	H	-69.028	4.072	12.131	-60.969	-13	-47.969
5152.50	-45.920	H	-41.997	5.081	12.275	-34.803	-13	-21.803
3435.00	-61.450	V	-64.118	4.072	12.131	-56.059	-13	-43.059
5152.50	-38.660	V	-34.464	5.081	12.275	-27.270	-13	-14.270

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_15M_16-QAM_1RB37_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132047 (1717.50MHz)								
3435.00	-66.700	H	-69.078	4.072	12.131	-61.019	-13	-48.019
5152.50	-45.680	H	-41.757	5.081	12.275	-34.563	-13	-21.563
3435.00	-61.170	V	-63.838	4.072	12.131	-55.779	-13	-42.779
5152.50	-38.160	V	-33.964	5.081	12.275	-26.770	-13	-13.770

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132072 (1720.00MHz)								
3440.00	-67.010	H	-69.388	4.075	12.144	-61.319	-13	-48.319
5160.00	-45.470	H	-41.541	5.083	12.288	-34.336	-13	-21.336
3440.00	-61.150	V	-63.819	4.075	12.144	-55.750	-13	-42.750
5160.00	-38.230	V	-34.039	5.083	12.288	-26.834	-13	-13.834

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 66_20M_16-QAM_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 132072 (1720.00MHz)								
3440.00	-66.020	H	-68.398	4.075	12.144	-60.329	-13	-47.329
5160.00	-45.640	H	-41.711	5.083	12.288	-34.506	-13	-21.506
3440.00	-60.470	V	-63.139	4.075	12.144	-55.070	-13	-42.070
5160.00	-38.190	V	-33.999	5.083	12.288	-26.794	-13	-13.794

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 17: LTE Band 71		
Date of Test	2018/05/19	Test Site	CB4-H

LTE_Band 71_5M_QPSK_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133147 (665.50MHz)								
1331.00	-56.680	H	-60.412	2.516	7.489	-55.439	-13	-42.439
1996.50	-45.070	H	-51.649	3.107	9.790	-44.966	-13	-31.966
1331.00	-59.440	V	-64.393	2.516	7.489	-59.420	-13	-46.420
1996.50	-40.370	V	-47.447	3.107	9.790	-40.764	-13	-27.764

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_5M_16-QAM_1RB12_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133147 (665.50MHz)								
1331.00	-58.460	H	-62.192	2.516	7.489	-57.219	-13	-44.219
1996.50	-42.850	H	-49.429	3.107	9.790	-42.746	-13	-29.746
1331.00	-60.040	V	-64.993	2.516	7.489	-60.020	-13	-47.020
1996.50	-38.820	V	-45.897	3.107	9.790	-39.214	-13	-26.214

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_10M_QPSK_1RB24_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133172 (668.00MHz)								
1336.00	-61.110	H	-64.867	2.520	7.513	-59.874	-13	-46.874
2004.00	-47.680	H	-54.201	3.113	9.806	-47.507	-13	-34.507
1336.00	-60.240	V	-65.229	2.520	7.513	-60.236	-13	-47.236
2004.00	-42.890	V	-49.907	3.113	9.806	-43.213	-13	-30.213

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_10M_16-QAM_1RB49_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133172 (668.00MHz)								
1336.00	-58.290	H	-62.047	2.520	7.513	-57.054	-13	-44.054
2004.00	-46.510	H	-53.031	3.113	9.806	-46.337	-13	-33.337
1336.00	-59.170	V	-64.159	2.520	7.513	-59.166	-13	-46.166
2004.00	-42.680	V	-49.697	3.113	9.806	-43.003	-13	-30.003

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_15M_QPSK_1RB37_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133197 (670.50MHz)								
1341.00	-59.800	H	-63.581	2.524	7.537	-58.569	-13	-45.569
2011.50	-48.930	H	-55.292	3.118	9.818	-48.592	-13	-35.592
1341.00	-60.620	V	-65.644	2.524	7.537	-60.632	-13	-47.632
2011.50	-42.130	V	-49.011	3.118	9.818	-42.311	-13	-29.311

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_15M_16-QAM_1RB74_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133197 (670.50MHz)								
1341.00	-59.580	H	-63.361	2.524	7.537	-58.349	-13	-45.349
2011.50	-41.250	H	-47.612	3.118	9.818	-40.912	-13	-27.912
1341.00	-56.280	V	-61.304	2.524	7.537	-56.292	-13	-43.292
2011.50	-41.380	V	-48.261	3.118	9.818	-41.561	-13	-28.561

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_20M_QPSK_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133371 (687.90MHz)								
1375.80	-59.610	H	-63.563	2.553	7.704	-58.412	-13	-45.412
2063.70	-43.480	H	-48.751	3.154	9.902	-42.003	-13	-29.003
1375.80	-56.850	V	-62.122	2.553	7.704	-56.971	-13	-43.971
2063.70	-42.620	V	-48.576	3.154	9.902	-41.828	-13	-28.828

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE_Band 71_20M_16-QAM_1RB0_Link

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 133222 (673.00MHz)								
1346.00	-56.130	H	-59.935	2.528	7.561	-54.903	-13	-41.903
2019.00	-42.820	H	-49.024	3.123	9.830	-42.317	-13	-29.317
1346.00	-60.530	V	-65.589	2.528	7.561	-60.557	-13	-47.557
2019.00	-38.580	V	-45.327	3.123	9.830	-38.620	-13	-25.620

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 18: LTE CA 2A-5A		
Date of Test	2018/05/31	Test Site	CB4-H

LTE CA_2A-5A_10M+10M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18625 (1852.5MHz) + Channel 20425 (826.5MHz)								
1653.00	-62.070	H	-68.054	2.794	8.759	-62.089	-13	-49.089
2479.50	-61.520	H	-64.347	3.442	10.567	-57.222	-13	-44.222
3705.00	-65.650	H	-66.760	4.287	11.931	-59.116	-13	-46.116
5557.50	-65.950	H	-61.007	5.203	12.900	-53.310	-13	-40.310
1653.00	-61.560	V	-68.725	2.794	8.759	-62.760	-13	-49.760
2479.50	-64.350	V	-67.968	3.442	10.567	-60.843	-13	-47.843
3705.00	-61.330	V	-62.328	4.287	11.931	-54.684	-13	-41.684
5557.50	-63.820	V	-58.877	5.203	12.900	-51.180	-13	-38.180

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_2A-5A_20M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880MHz) + Channel 20525 (836.5MHz)								
1673.00	-67.850	H	-63.345	2.812	8.819	-57.338	-13	-44.338
2509.50	-62.380	H	-53.959	3.463	10.608	-46.814	-13	-33.814
3760.00	-68.560	H	-56.581	4.335	11.832	-49.084	-13	-36.084
5640.00	-65.660	H	-50.608	5.235	12.900	-42.943	-13	-29.943
1673.00	-66.480	V	-61.410	2.812	8.819	-55.403	-13	-42.403
2509.50	-61.940	V	-53.130	3.463	10.608	-45.985	-13	-32.985
3760.00	-68.160	V	-55.389	4.335	11.832	-47.892	-13	-34.892
5640.00	-59.690	V	-44.797	5.235	12.900	-37.132	-13	-24.132

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 19: LTE CA 2A-12A		
Date of Test	2018/05/31	Test Site	CB4-H

LTE CA_2A-12A_5M+3M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19175 (1907.5MHz) + Channel 23165 (714.5MHz)								
1429.00	-61.750	H	-67.400	2.597	7.959	-62.037	-13	-49.037
2143.50	-63.490	H	-68.033	3.209	10.030	-61.213	-13	-48.213
3815.00	-65.840	H	-66.534	4.382	11.733	-59.183	-13	-46.183
5722.50	-66.310	H	-61.148	5.267	12.900	-53.515	-13	-40.515
1429.00	-60.940	V	-66.590	2.597	7.959	-61.227	-13	-48.227
2143.50	-62.870	V	-67.413	3.209	10.030	-60.593	-13	-47.593
3815.00	-65.980	V	-66.480	4.382	11.733	-59.129	-13	-46.129
5722.50	-66.120	V	-60.956	5.267	12.900	-53.323	-13	-40.323

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_2A-12A_20M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880MHz) + 23095 (707.5MHz)								
1415.00	-69.720	H	-63.985	2.585	7.892	-58.678	-13	-45.678
2122.50	-67.260	H	-59.690	3.195	9.996	-52.889	-13	-39.889
3760.00	-68.550	H	-56.571	4.335	11.832	-49.074	-13	-36.074
5640.00	-64.390	H	-49.338	5.235	12.900	-41.673	-13	-28.673
1415.00	-69.970	V	-64.020	2.585	7.892	-58.713	-13	-45.713
2122.50	-67.460	V	-59.901	3.195	9.996	-53.100	-13	-40.100
3760.00	-68.830	V	-56.059	4.335	11.832	-48.562	-13	-35.562
5640.00	-58.690	V	-43.797	5.235	12.900	-36.132	-13	-23.132

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 20: LTE CA 2A-13A		
Date of Test	2018/05/31	Test Site	CB4-H

LTE CA_2A-13A_5M+10M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19175 (1907.5MHz) + Channel 23230 (782MHz)								
1564.00	-62.240	H	-67.400	2.713	8.492	-61.621	-13	-48.621
2346.00	-64.320	H	-66.314	3.349	10.354	-59.310	-13	-46.310
3815.00	-66.410	H	-67.104	4.382	11.733	-59.753	-13	-46.753
5722.50	-67.260	H	-62.098	5.267	12.900	-54.465	-13	-41.465
1654.00	-62.830	V	-70.002	2.795	8.762	-64.035	-13	-51.035
2346.00	-64.230	V	-67.296	3.349	10.354	-60.292	-13	-47.292
3815.00	-66.650	V	-67.344	4.382	11.733	-59.993	-13	-46.993
5722.50	-67.210	V	-62.048	5.267	12.900	-54.415	-13	-41.415

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_2A-13A_10M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 18900 (1880MHz) + Channel 23230 (782MHz)								
1564.00	-69.650	H	-64.680	2.713	8.492	-58.901	-13	-45.901
2346.00	-67.720	H	-58.776	3.349	10.354	-51.772	-13	-38.772
3760.00	-68.560	H	-56.581	4.335	11.832	-49.084	-13	-36.084
5640.00	-64.290	H	-49.238	5.235	12.900	-41.573	-13	-28.573
1564.00	-69.940	V	-64.605	2.713	8.492	-58.826	-13	-45.826
2346.00	-67.850	V	-58.844	3.349	10.354	-51.840	-13	-38.840
3760.00	-68.370	V	-55.599	4.335	11.832	-48.102	-13	-35.102
5640.00	-58.370	V	-43.477	5.235	12.900	-35.812	-13	-22.812

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 21: LTE CA 4A-5A		
Date of Test	2018/05/31	Test Site	CB4-H

LTE CA_4A-5A_5M+5M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20375 (1752.5MHz) + Channel 20600 (844MHz)								
1688.00	-64.100	H	-61.842	2.826	8.864	-55.804	-13	-42.804
2532.00	-64.640	H	-58.988	3.479	10.626	-51.841	-13	-38.841
3505.00	-62.690	H	-54.904	4.115	12.291	-46.728	-13	-33.728
5257.50	-63.940	H	-51.215	5.111	12.464	-43.863	-13	-30.863
1688.00	-65.610	V	-63.604	2.826	8.864	-57.566	-13	-44.566
2532.00	-63.750	V	-58.131	3.479	10.626	-50.984	-13	-37.984
3505.00	-64.840	V	-57.163	4.115	12.291	-48.987	-13	-35.987
5257.50	-63.630	V	-51.008	5.111	12.464	-43.656	-13	-30.656

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_4A-5A_10M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz) + Channel 20525 (836.5MHz)								
2509.50	-62.800	H	-54.379	3.463	10.608	-47.234	-13	-34.234
3346.00	-67.310	H	-56.694	4.020	11.900	-48.814	-13	-35.814
3465.00	-66.810	H	-56.288	4.090	12.209	-48.169	-13	-35.169
5197.50	-65.080	H	-50.577	5.094	12.356	-43.315	-13	-30.315
1673.00	-64.980	V	-59.910	2.812	8.819	-53.903	-13	-40.903
2509.50	-66.580	V	-57.770	3.463	10.608	-50.625	-13	-37.625
3465.00	-67.700	V	-56.396	4.090	12.209	-48.277	-13	-35.277
5197.50	-57.470	V	-43.250	5.094	12.356	-35.988	-13	-22.988

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 22: LTE CA 4A-7A		
Date of Test	2018/06/19	Test Site	CB4-H

LTE CA_4A-7A_5M+5M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 19975 (1712.5MHz) + Channel 20775 (2502.5MHz)								
3425.00	-65.610	H	-57.924	4.066	12.105	-49.885	-13	-36.885
5005.00	-65.380	H	-51.872	5.038	12.009	-44.901	-13	-31.901
5137.50	-56.120	H	-43.068	5.077	12.248	-35.897	-13	-22.897
7507.50	-60.090	H	-36.263	6.448	12.257	-30.454	-13	-17.454
3425.00	-61.120	V	-53.475	4.066	12.105	-45.436	-13	-32.436
5005.00	-65.720	V	-52.212	5.038	12.009	-45.241	-13	-32.241
5137.50	-55.090	V	-42.038	5.077	12.248	-34.867	-13	-21.867
7507.50	-59.900	V	-36.073	6.448	12.257	-30.264	-13	-17.264

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_4A-7A_20M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz) + Channel 21100 (2535MHz)								
2535.00	-64.640	H	-56.154	3.481	10.628	-49.007	-13	-36.007
3465.00	-67.220	H	-56.698	4.090	12.209	-48.579	-13	-35.579
5070.00	-68.520	H	-54.131	5.057	12.126	-47.062	-13	-34.062
5197.50	-60.100	H	-45.597	5.094	12.356	-38.335	-13	-25.335
2535.00	-61.690	V	-52.823	3.481	10.628	-45.676	-13	-32.676
3465.00	-67.338	V	-56.034	4.090	12.209	-47.915	-13	-34.915
5070.00	-68.320	V	-54.270	5.057	12.126	-47.201	-13	-34.201
5197.50	-60.540	V	-46.320	5.094	12.356	-39.058	-13	-26.058

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 23: LTE CA 4A-12A		
Date of Test	2018/06/01	Test Site	CB4-H

LTE CA_4A-12A_5M+3M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20300 (1745MHz) + Channel 23130 (711MHz)								
1403.00	-63.520	H	-57.697	2.575	7.834	-52.438	-13	-39.438
2104.50	-62.850	H	-55.479	3.182	9.967	-48.694	-13	-35.694
3425.00	-64.570	H	-53.889	4.066	12.105	-45.850	-13	-32.850
5137.50	-63.580	H	-48.915	5.077	12.248	-41.744	-13	-28.744
1403.00	-62.470	V	-56.436	2.575	7.834	-51.177	-13	-38.177
2104.50	-63.200	V	-55.823	3.182	9.967	-49.038	-13	-36.038
3425.00	-65.930	V	-54.514	4.066	12.105	-46.475	-13	-33.475
5137.50	-64.780	V	-50.425	5.077	12.248	-43.254	-13	-30.254

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_4A-12A_20M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz) + Channel 23095 (707.5MHz)								
1415.00	-64.990	H	-59.255	2.585	7.892	-53.948	-13	-40.948
2122.50	-67.380	H	-59.810	3.195	9.996	-53.009	-13	-40.009
3465.00	-67.700	H	-57.178	4.090	12.209	-49.059	-13	-36.059
5197.50	-68.150	H	-53.647	5.094	12.356	-46.385	-13	-33.385
1415.00	-66.220	V	-60.270	2.585	7.892	-54.963	-13	-41.963
2122.50	-66.520	V	-58.961	3.195	9.996	-52.160	-13	-39.160
3465.00	-66.960	V	-55.656	4.090	12.209	-47.537	-13	-34.537
5197.50	-67.530	V	-53.310	5.094	12.356	-46.048	-13	-33.048

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 24: LTE CA 4A-13A		
Date of Test	2018/06/19	Test Site	CB4-H

LTE CA_4A-13A_5M+10M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20000 (1715MHz) + Channel 23230 (782MHz)								
1564.54	-58.630	H	-56.073	2.714	8.494	-50.293	-13	-37.293
2346.04	-62.390	H	-56.118	3.349	10.354	-49.114	-13	-36.114
3465.15	-57.630	H	-49.886	4.090	12.209	-41.767	-13	-28.767
5197.70	-60.380	H	-47.536	5.094	12.356	-40.274	-13	-27.274
1564.08	-59.970	V	-57.788	2.713	8.492	-52.009	-13	-39.009
2347.04	-61.110	V	-54.540	3.350	10.355	-47.535	-13	-34.535
3464.64	-63.630	V	-55.964	4.090	12.208	-47.846	-13	-34.846
5197.54	-60.370	V	-47.583	5.094	12.356	-40.321	-13	-27.321

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_4A-13A_10M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20175 (1732.5MHz) + Channel 23230 (782MHz)								
1564.00	-65.240	H	-60.270	2.713	8.492	-54.491	-13	-41.491
2346.00	-65.540	H	-56.596	3.349	10.354	-49.592	-13	-36.592
3465.00	-67.710	H	-57.188	4.090	12.209	-49.069	-13	-36.069
5197.50	-68.200	H	-53.697	5.094	12.356	-46.435	-13	-33.435
1564.00	-65.800	V	-60.465	2.713	8.492	-54.686	-13	-41.686
2346.00	-65.340	V	-56.334	3.349	10.354	-49.330	-13	-36.330
3465.00	-67.260	V	-55.956	4.090	12.209	-47.837	-13	-34.837
5197.50	-68.270	V	-54.050	5.094	12.356	-46.788	-13	-33.788

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 25: LTE CA 5A-66A		
Date of Test	2018/05/31	Test Site	CB4-H

LTE CA_5A-66A_5M+5M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.5MHz) + Channel 132322 (1745MHz)								
1673.00	-65.620	H	-71.791	2.812	8.819	-65.784	-13	-52.784
2509.50	-63.860	H	-66.755	3.463	10.608	-59.610	-13	-46.610
3832.00	-64.510	H	-65.168	4.397	11.702	-57.862	-13	-44.862
5748.00	-63.250	H	-58.009	5.277	12.900	-50.386	-13	-37.386
1673.00	-63.360	V	-70.660	2.812	8.819	-64.653	-13	-51.653
2509.50	-64.960	V	-68.584	3.463	10.608	-61.439	-13	-48.439
3832.00	-64.280	V	-64.746	4.397	11.702	-57.440	-13	-44.440
5748.00	-64.150	V	-58.947	5.277	12.900	-51.324	-13	-38.324

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_5A-66A_10M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20525 (836.5MHz) + Channel 132322 (1745MHz)								
1673.00	-68.720	H	-64.215	2.812	8.819	-58.208	-13	-45.208
2509.50	-67.940	H	-59.519	3.463	10.608	-52.374	-13	-39.374
3490.00	-68.650	H	-57.050	4.105	12.274	-48.881	-13	-35.881
5235.00	-68.330	H	-54.265	5.105	12.423	-46.947	-13	-33.947
1673.00	-68.360	V	-63.290	2.812	8.819	-57.283	-13	-44.283
2509.50	-69.690	V	-60.880	3.463	10.608	-53.735	-13	-40.735
3490.00	-67.820	V	-56.220	4.105	12.274	-48.051	-13	-35.051
5235.00	-68.340	V	-54.275	5.105	12.423	-46.957	-13	-33.957

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 26: LTE CA 12A-66A		
Date of Test	2018/06/19	Test Site	CB4-H

LTE CA_12A-66A_5M+5M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23035 (701.5MHz) + Channel 131987 (1711.5MHz)								
1403.24	-61.530	H	-58.424	2.575	7.836	-53.164	-13	-40.164
2104.56	-62.030	H	-57.336	3.182	9.967	-50.551	-13	-37.551
3423.37	-60.430	H	-52.743	4.065	12.101	-44.708	-13	-31.708
5134.50	-62.370	H	-49.305	5.076	12.242	-42.139	-13	-29.139
1403.24	-61.530	V	-58.686	2.575	7.836	-53.426	-13	-40.426
2104.56	-62.030	V	-57.166	3.182	9.967	-50.381	-13	-37.381
3423.37	-60.430	V	-52.782	4.065	12.101	-44.747	-13	-31.747
5134.50	-62.370	V	-49.300	5.076	12.242	-42.134	-13	-29.134

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_12A-66A_10M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 23095 (707.5MHz) + Channel 132422 (1755MHz)								
1415.00	-65.870	H	-60.135	2.585	7.892	-54.828	-13	-41.828
2122.50	-65.390	H	-57.820	3.195	9.996	-51.019	-13	-38.019
3510.00	-65.110	H	-54.318	4.120	12.282	-46.156	-13	-33.156
5265.00	-67.250	H	-53.020	5.113	12.477	-45.656	-13	-32.656
1415.00	-65.850	V	-59.900	2.585	7.892	-54.593	-13	-41.593
2122.50	-56.980	V	-49.421	3.195	9.996	-42.620	-13	-29.620
3510.00	-57.510	V	-45.895	4.120	12.282	-37.733	-13	-24.733
5265.00	-67.900	V	-53.924	5.113	12.477	-46.560	-13	-33.560

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 27: LTE CA 5B		
Date of Test	2018/06/19	Test Site	CB4-H

LTE CA_5B_5M+10M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20501 (834.1MHz) + Channel 20600 (844MHz)								
1659.40	-54.780	H	-52.474	2.800	8.778	-46.496	-13	-33.496
2489.10	-37.430	H	-31.865	3.448	10.583	-24.731	-13	-11.731
1659.40	-65.220	V	-63.195	2.800	8.778	-57.217	-13	-44.217
2489.10	-31.540	V	-25.944	3.448	10.583	-18.810	-13	-5.810

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_5B_10M+10M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20475 (831.5MHz) + Channel 20574 (841.4MHz)								
1663.00	-64.100	H	-59.522	2.803	8.789	-53.536	-13	-40.536
1682.80	-64.800	H	-60.355	2.821	8.848	-54.328	-13	-41.328
2494.50	-59.660	H	-51.133	3.452	10.591	-43.994	-13	-30.994
2524.20	-56.260	H	-47.834	3.473	10.619	-40.688	-13	-27.688
1663.00	-63.700	V	-58.575	2.803	8.789	-52.589	-13	-39.589
1682.80	-64.680	V	-59.652	2.821	8.848	-53.625	-13	-40.625
2494.50	-58.170	V	-49.260	3.452	10.591	-42.121	-13	-29.121
2524.20	-58.610	V	-49.799	3.473	10.619	-42.653	-13	-29.653

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 28: LTE CA 7C		
Date of Test	2018/05/29	Test Site	CB4-H

LTE CA_7C_15M+15M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 20825 (2507.5MHz) + Channel 20975 (2522.5MHz)								
5015.00	-59.940	H	-56.119	5.041	12.027	-49.133	-13	-36.133
7522.50	-65.640	H	-49.505	6.468	12.270	-43.703	-13	-30.703
5015.00	-50.690	V	-46.397	5.041	12.027	-39.411	-13	-26.411
7522.50	-57.260	V	-41.125	6.468	12.270	-35.323	-13	-22.323

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_7C_20M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 21001 (2525.1MHz) + Channel 21199 (2544.9MHz)								
5050.20	-52.680	H	-38.350	5.051	12.090	-31.311	-13	-18.311
5089.80	-60.730	H	-46.309	5.063	12.162	-39.210	-13	-26.210
7575.30	-65.820	H	-41.610	6.539	12.318	-35.831	-13	-22.831
7634.70	-64.850	H	-40.201	6.619	12.371	-34.448	-13	-21.448
5050.20	-58.780	V	-44.798	5.051	12.090	-37.759	-13	-24.759
5089.80	-68.100	V	-54.010	5.063	12.162	-46.911	-13	-33.911
7575.30	-63.330	V	-39.129	6.539	12.318	-33.350	-13	-20.350
7634.70	-60.150	V	-35.501	6.619	12.371	-29.748	-13	-16.748

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 29: LTE CA 38C		
Date of Test	2018/05/29	Test Site	CB4-H

LTE CA_38C_15M+15M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37925 (2587.5MHz) + Channel 38075 (2602.5MHz)								
5175.00	-59.080	H	-55.140	5.087	12.315	-47.912	-13	-34.912
7762.50	-68.440	H	-51.247	6.791	12.486	-45.551	-13	-32.551
5175.00	-53.960	V	-49.779	5.087	12.315	-42.551	-13	-29.551
7762.50	-64.920	V	-47.823	6.791	12.486	-42.127	-13	-29.127

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

LTE CA_38C_20M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 37901(2585MHz) + Channel 38099 (2605MHz)								
5170.00	-52.480	H	-38.024	5.086	12.306	-30.804	-13	-17.804
5210.00	-60.110	H	-45.531	5.097	12.378	-38.250	-13	-25.250
7755.00	-65.650	H	-40.658	6.780	12.480	-34.959	-13	-21.959
7815.00	-64.820	H	-39.486	6.861	12.534	-33.814	-13	-20.814
5170.00	-58.480	V	-44.319	5.086	12.306	-37.099	-13	-24.099
5210.00	-68.470	V	-54.168	5.097	12.378	-46.887	-13	-33.887
7755.00	-63.560	V	-38.886	6.780	12.480	-33.187	-13	-20.187
7815.00	-60.000	V	-35.088	6.861	12.534	-29.416	-13	-16.416

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

Product	LM960		
Test Item	Radiated Spurious Emissions		
Test Mode	Mode 30: LTE CA 41C		
Date of Test	2018/05/29	Test Site	CB4-H

LTE CA_41C_15M+15M

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 41365 (2667.5MHz) + Channel 41515 (2682.5MHz)								
5335.00	-61.890	H	-57.743	5.133	12.603	-50.273	-13	-37.273
8002.50	-69.520	H	-52.948	7.113	12.702	-47.360	-13	-34.360
5335.00	-58.260	V	-53.881	5.133	12.603	-46.411	-13	-33.411
8002.50	-66.670	V	-50.131	7.113	12.702	-44.543	-13	-31.543

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

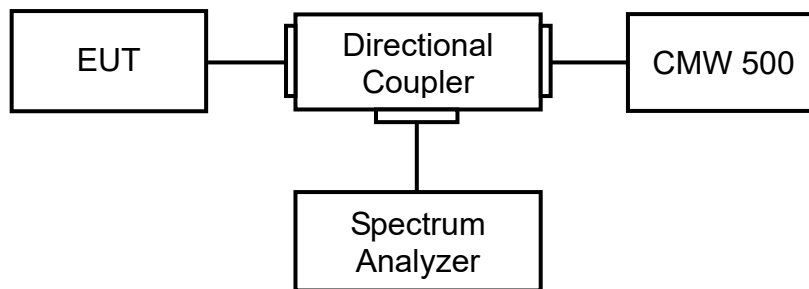
LTE CA_41C_20M+20M (widest bandwidth)

Frequency (MHz)	SA Reading (dBm)	Ant.Pol. (H/V)	SG Reading (dBm)	Cable Loss (dB)	Gain (dBi)	EIRP (dBm)	Limit (dBm)	Margin (dB)
Channel 40521 (2583MHz) + Channel 40719 (2603MHz)								
5166.00	-63.790	H	-49.305	5.085	12.299	-42.091	-13	-29.091
5206.00	-64.440	H	-49.883	5.096	12.371	-42.609	-13	-29.609
7749.00	-63.560	H	-38.612	6.772	12.474	-32.910	-13	-19.910
7809.00	-60.430	H	-35.129	6.853	12.528	-29.454	-13	-16.454
5166.00	-63.450	V	-49.262	5.085	12.299	-42.048	-13	-29.048
5206.00	-64.630	V	-50.352	5.096	12.371	-43.078	-13	-30.078
7749.00	-65.780	V	-41.140	6.772	12.474	-35.438	-13	-22.438
7809.00	-57.620	V	-32.730	6.853	12.528	-27.055	-13	-14.055

Test Result (EIRP) = SG Level - Cable Loss + Antenna Gain.

7. Spurious Emissions at Antenna Terminals

7.1. Test Setup



7.2. Test Procedure

- Place the EUT on a bench and set it in transmitting mode.
- Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW500 by a Directional Couple.
- EUT Communicate with CMW500, then select a channel for testing.
- Add a correction factor to the display of spectrum, and then test.
- The resolution bandwidth of the spectrum analyzer was set at 1 MHz, sufficient scans were taken to show the out of band Emission if any up to 10th harmonic.

7.3. Test Method

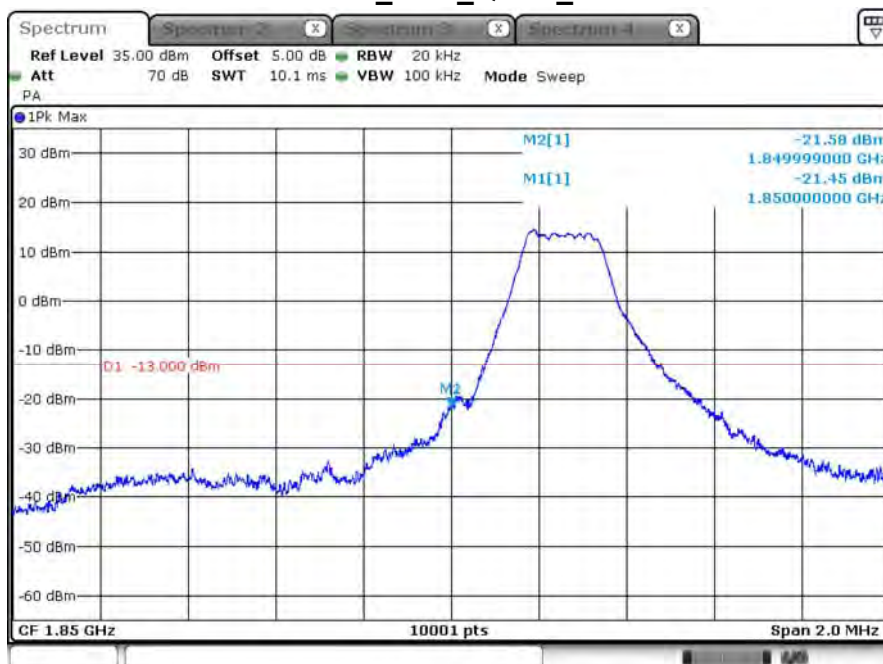
KDB 971168 D01 Power Meas License Digital Systems v03 sub-clause 6.1

ANSI C63.26: 2015 Sub-clause 5.7

7.4. Test Result

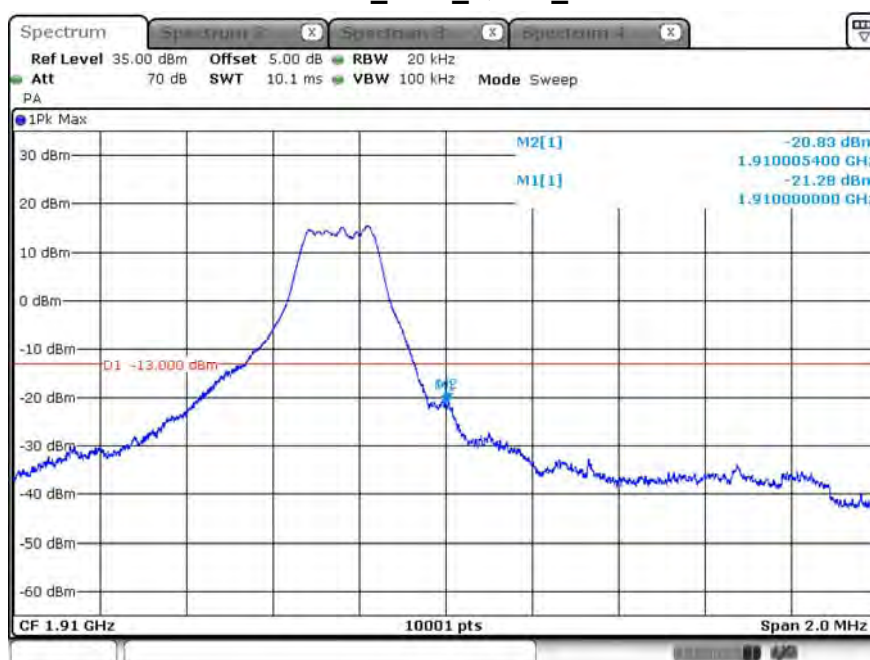
Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 1: LTE Band 2		
Date of Test	2018/05/11	Test Site	SR10-H

CH18607_1.4M_QPSK_1RB0



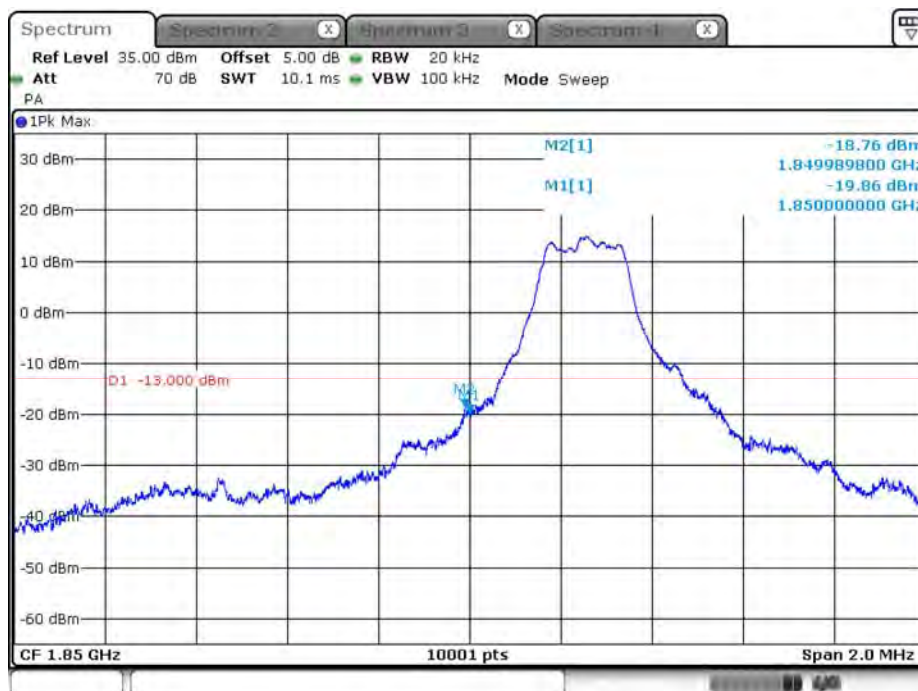
Date: 11.MAY.2018 15:12:17

CH19193_1.4M_QPSK_1RB5



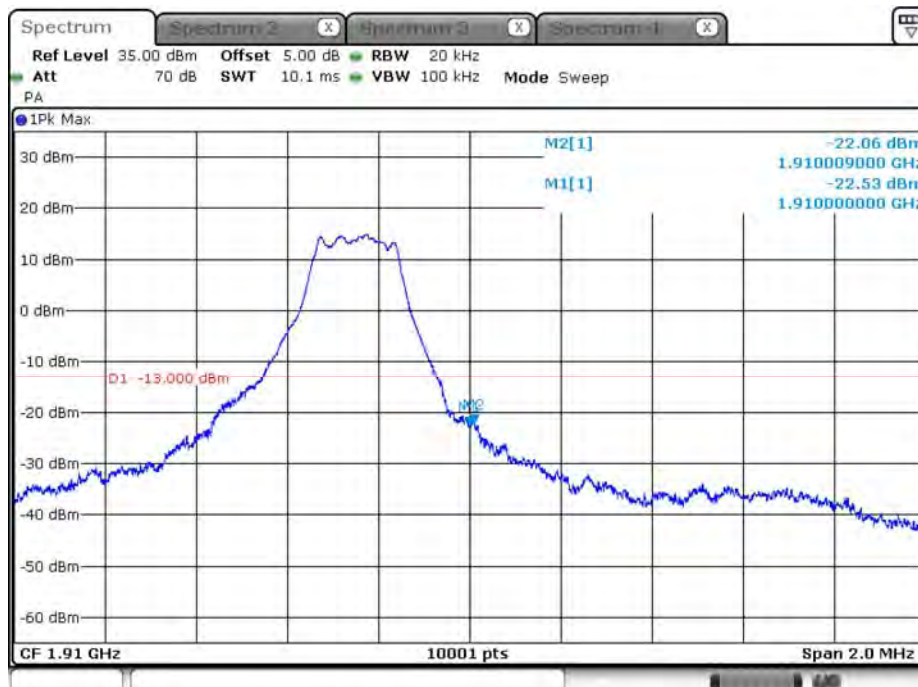
Date: 11.MAY.2018 15:21:44

CH18607_1.4M_16-QAM_1RB0



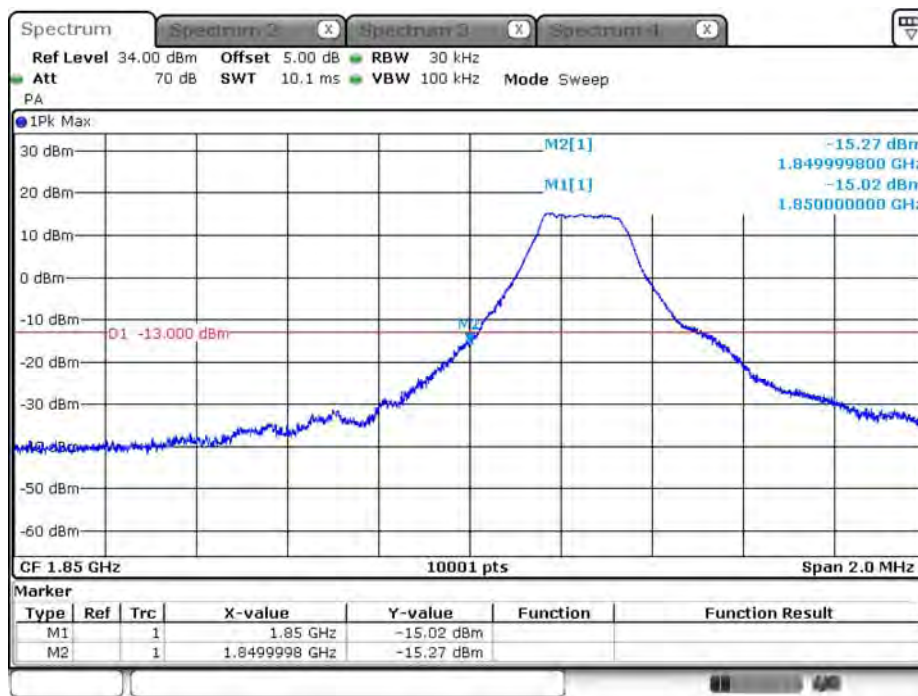
Date: 11.MAY.2018 15:14:47

CH19193_1.4M_16-QAM_1RB5



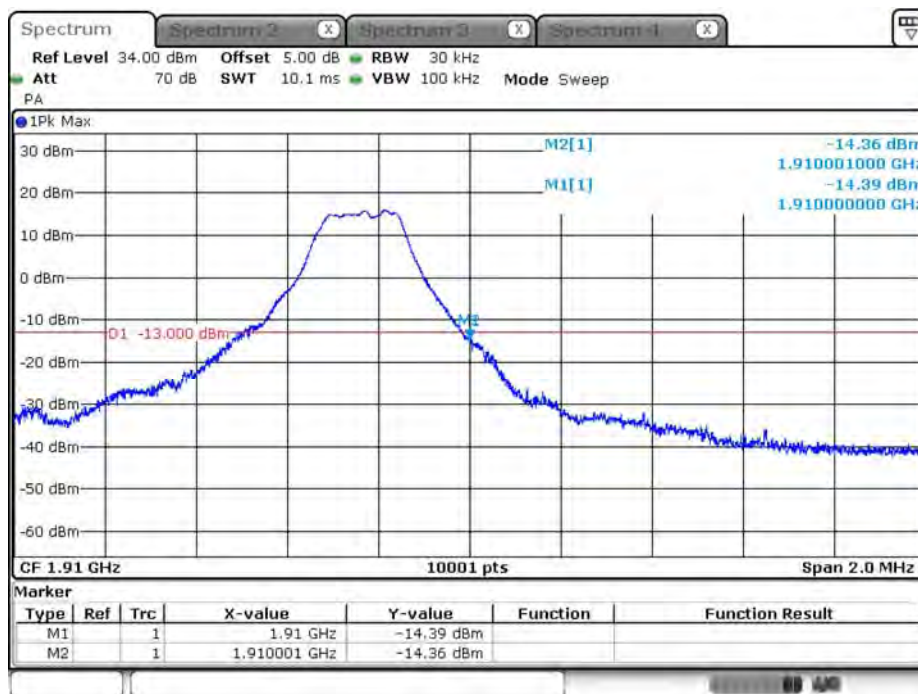
Date: 11.MAY.2018 15:18:35

CH18615_3M_QPSK_1RB0



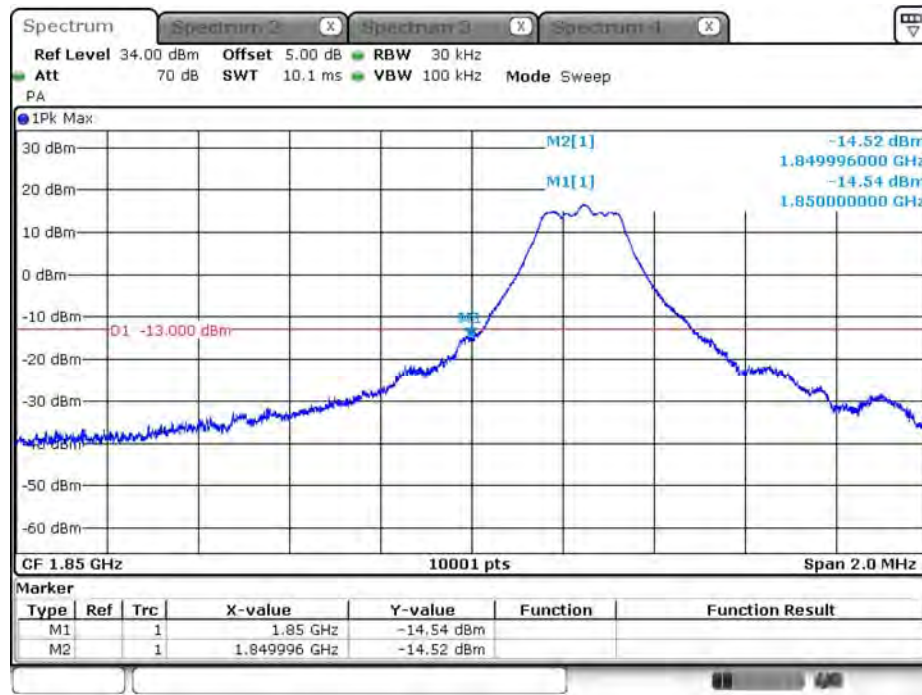
Date: 11.MAY.2018 15:36:04

CH19185_3M_QPSK_1RB14



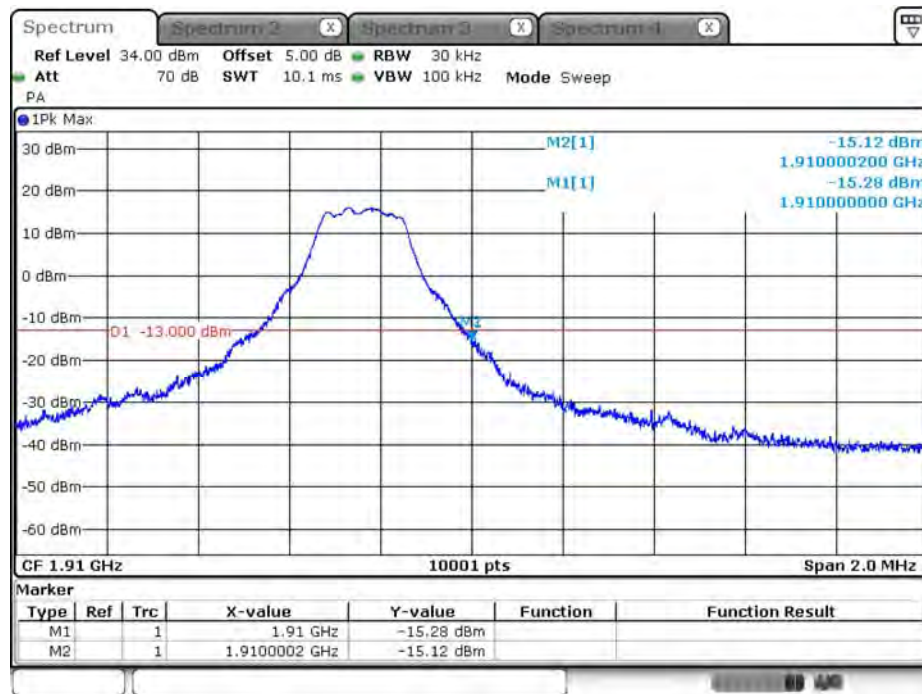
Date: 11.MAY.2018 15:38:38

CH18615_3M_16-QAM_1RB0



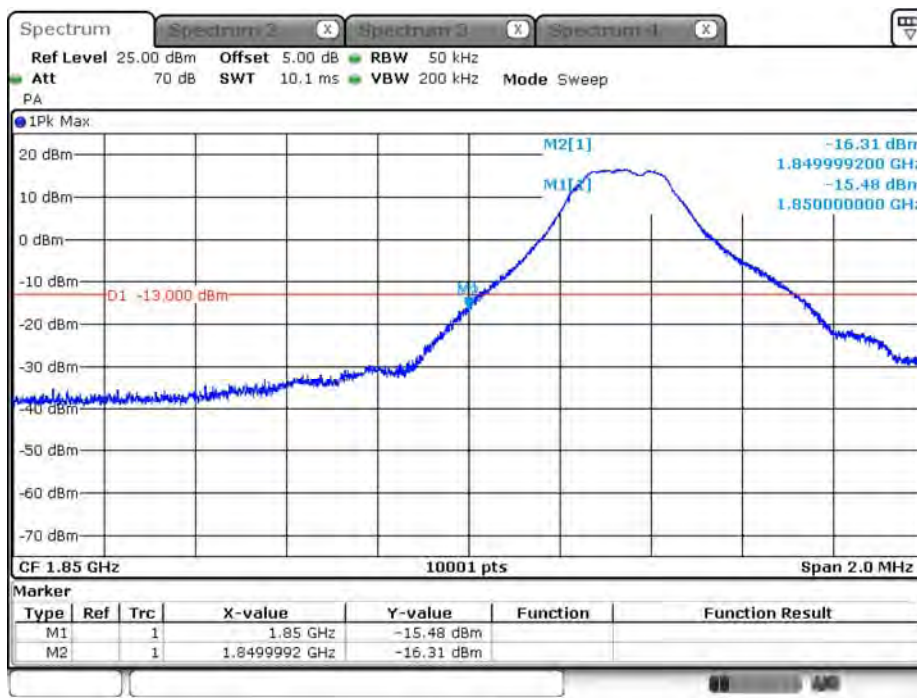
Date: 11.MAY.2018 15:33:55

CH19185_3M_16-QAM_1RB14



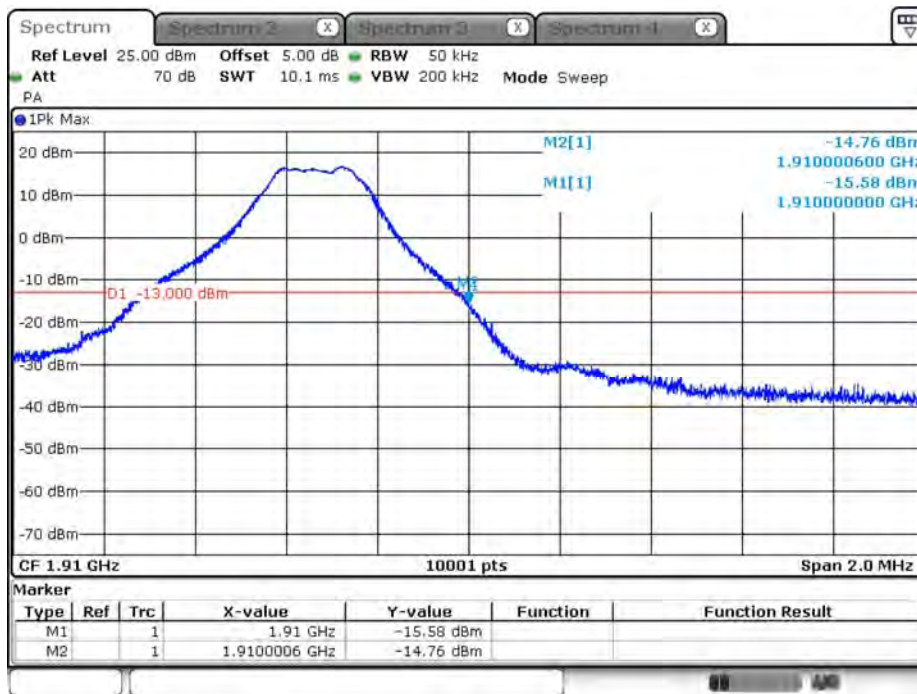
Date: 11.MAY.2018 15:40:08

CH19185_5M_QPSK_1RB0



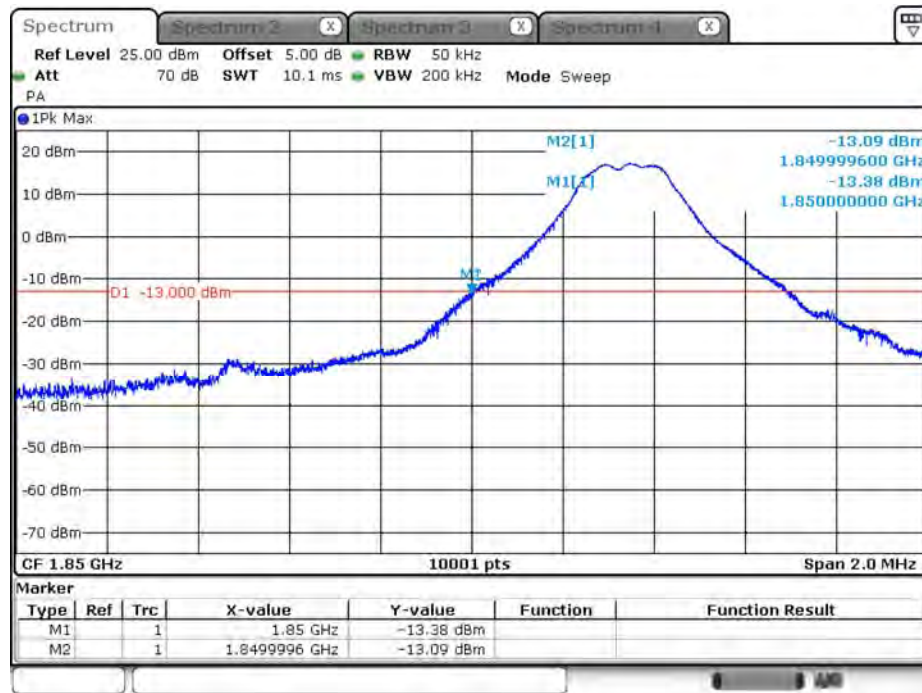
Date: 11.MAY.2018 15:49:14

CH19185_5M_QPSK_1RB24



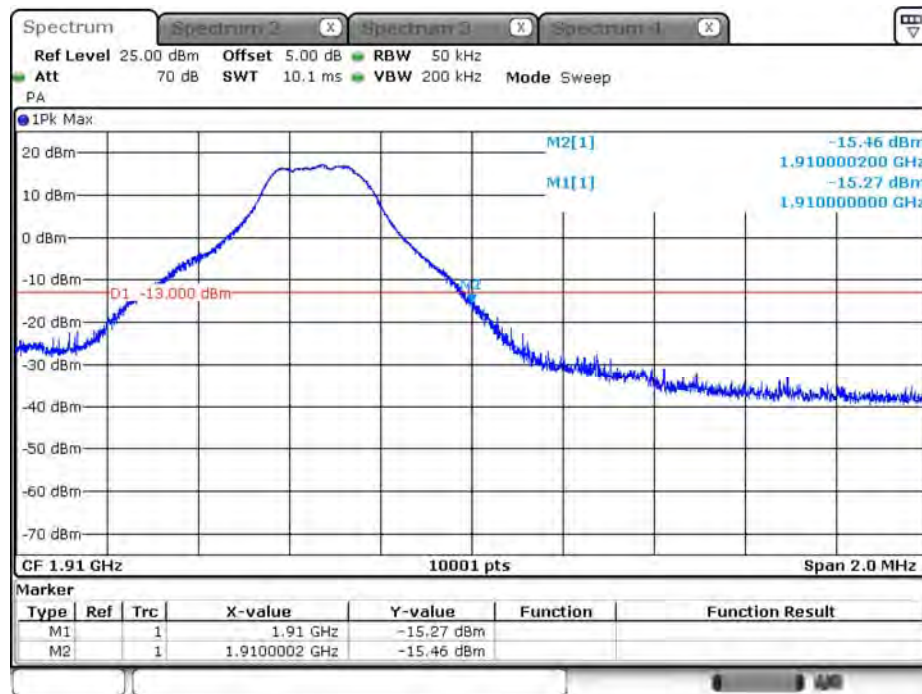
Date: 11.MAY.2018 15:45:43

CH19185_5M_16-QAM_1RB0



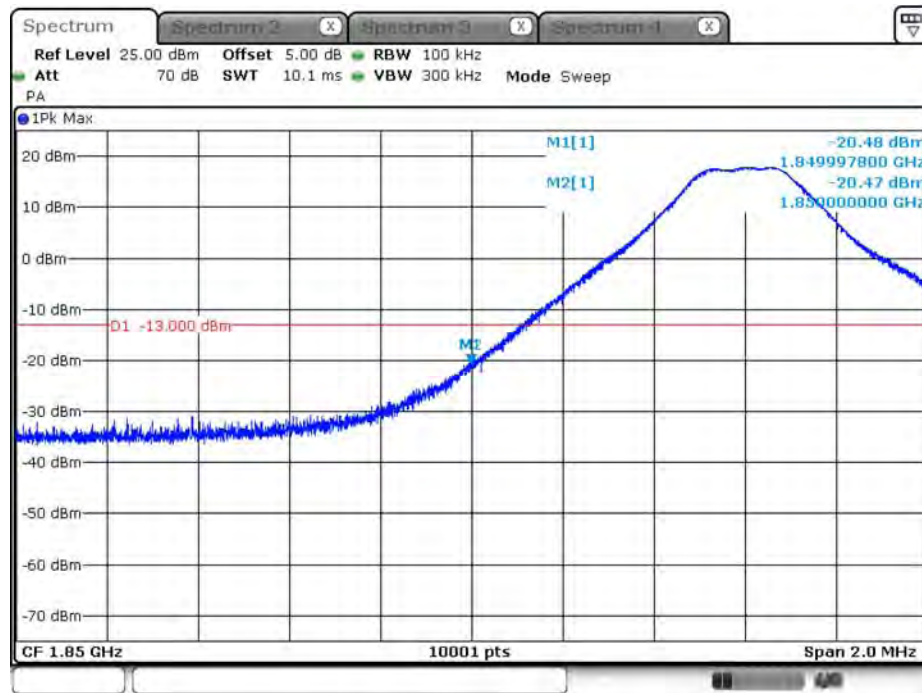
Date: 11.MAY.2018 15:50:49

CH19185_5M_16-QAM_1RB24



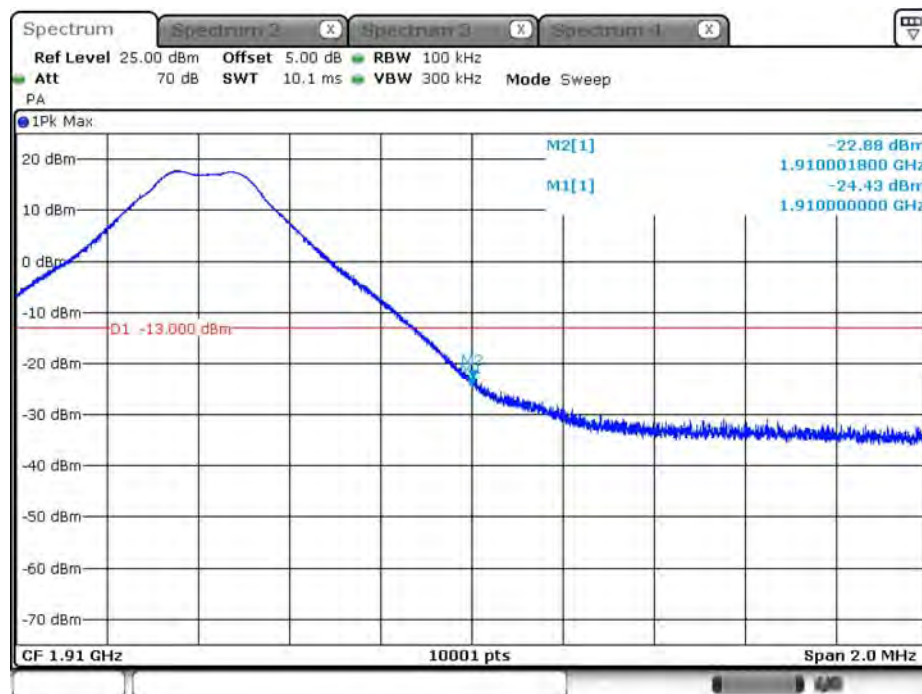
Date: 11.MAY.2018 15:43:43

CH18650_10M_QPSK_1RB0



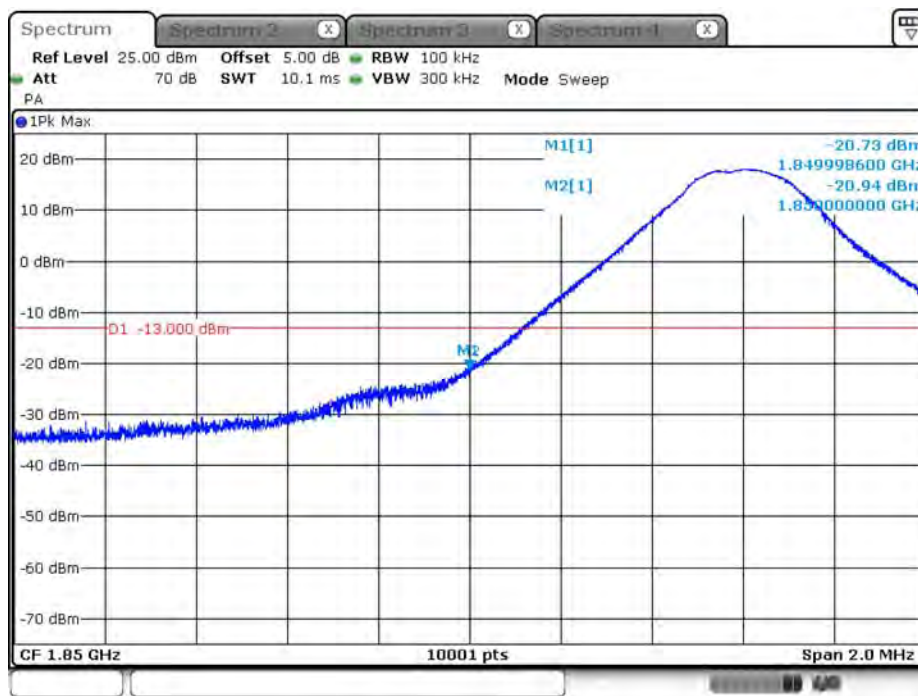
Date: 11.MAY.2018 15:53:53

CH19150_10M_QPSK_1RB49



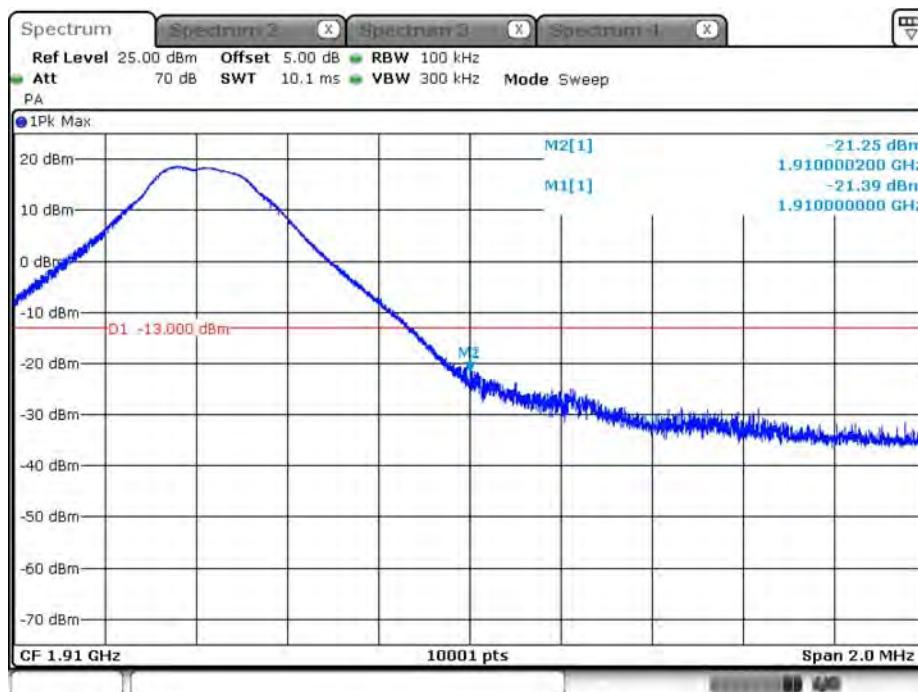
Date: 11.MAY.2018 16:20:12

CH18650_10M_16-QAM_1RB0



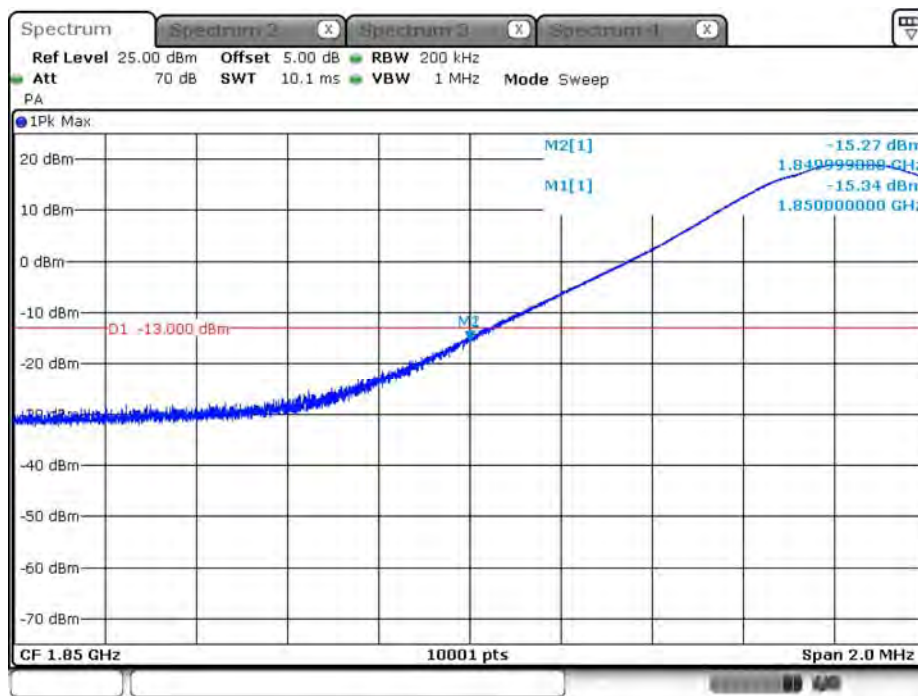
Date: 11.MAY.2018 15:56:45

CH19150_10M_16-QAM_1RB49



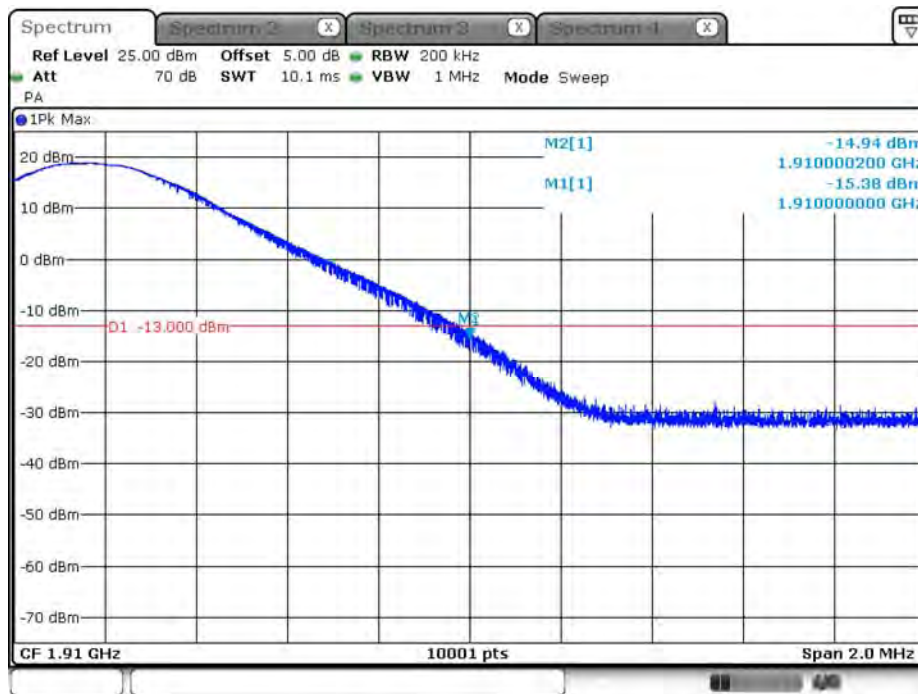
Date: 11.MAY.2018 16:17:30

CH18675_15M_QPSK_1RB0



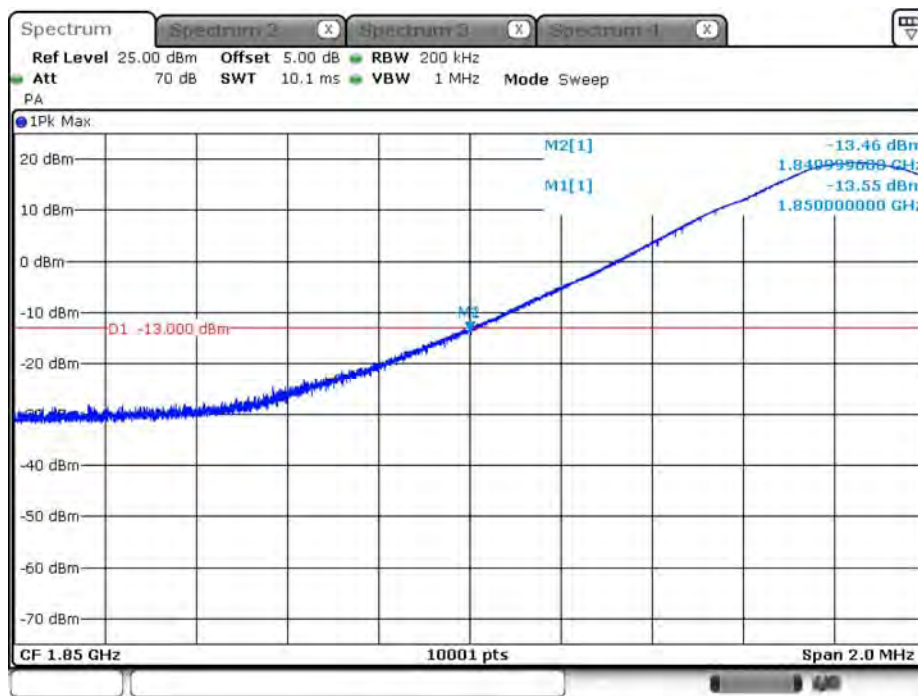
Date: 11.MAY.2018 16:54:57

CH19125_15M_QPSK_1RB74



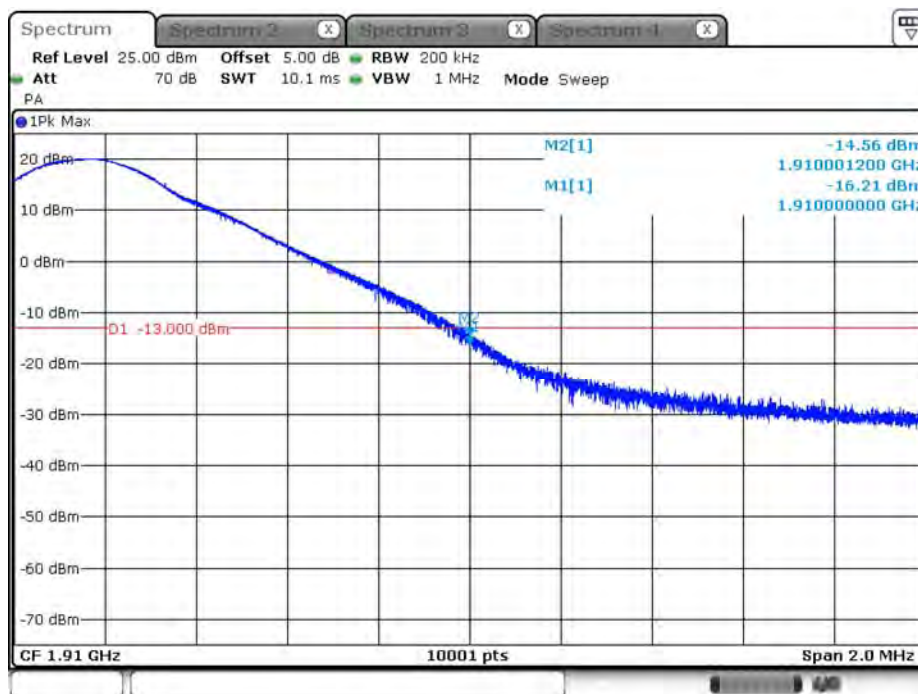
Date: 11.MAY.2018 17:10:20

CH18675_15M_16-QAM_1RB0



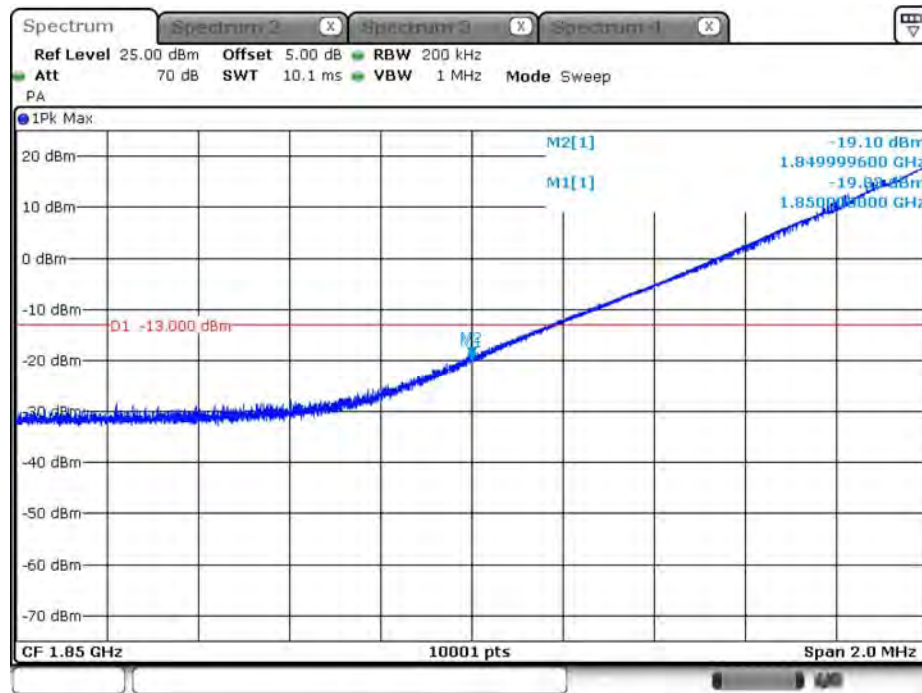
Date: 11.MAY.2018 17:03:04

CH19125_15M_16-QAM_1RB74



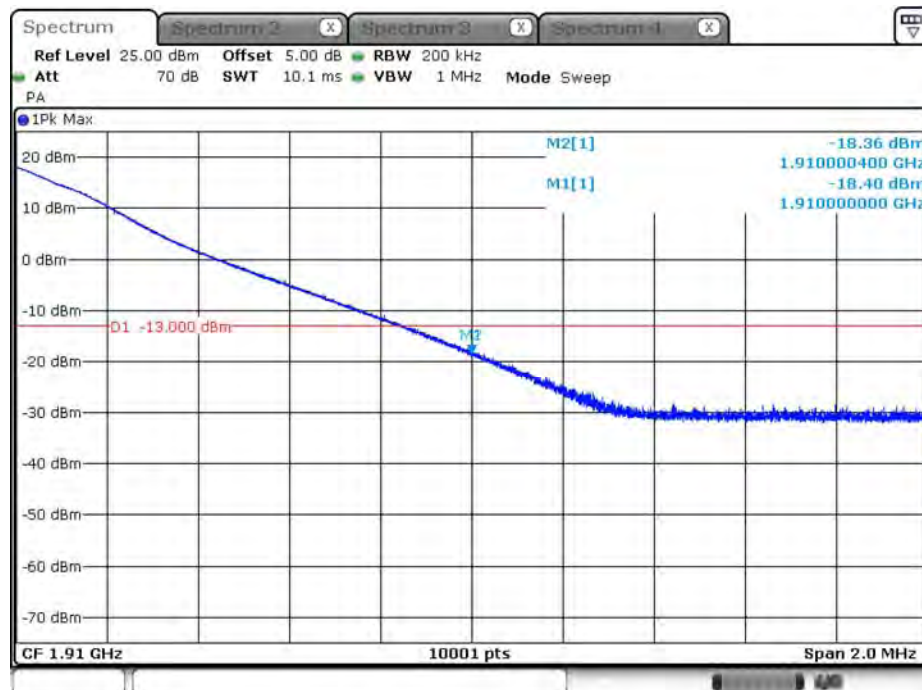
Date: 11.MAY.2018 17:08:16

CH18700_20M_QPSK_1RB0



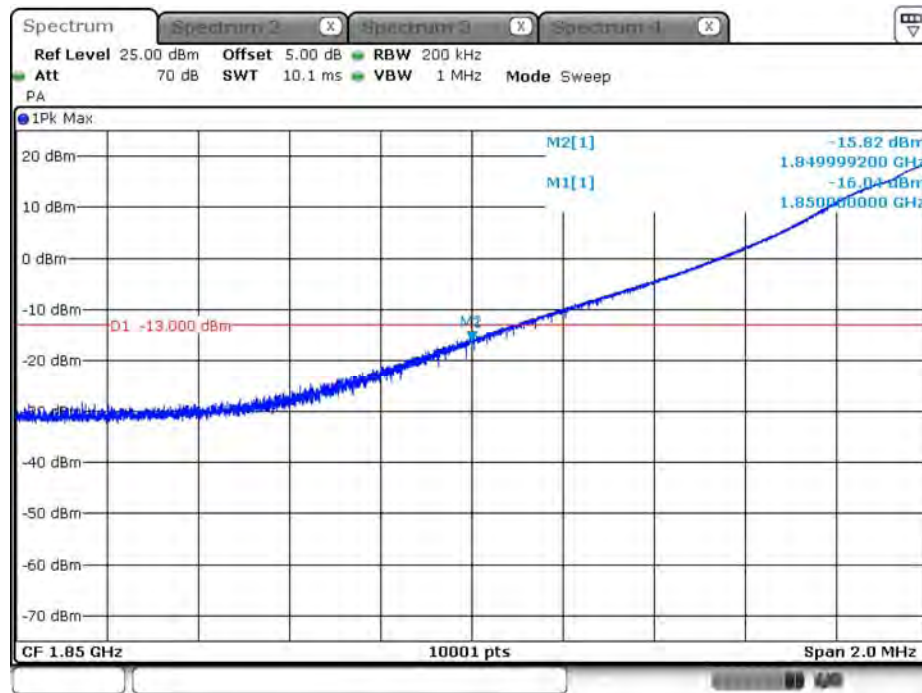
Date: 11.MAY.2018 17:49:34

CH19100_20M_QPSK_1RB99



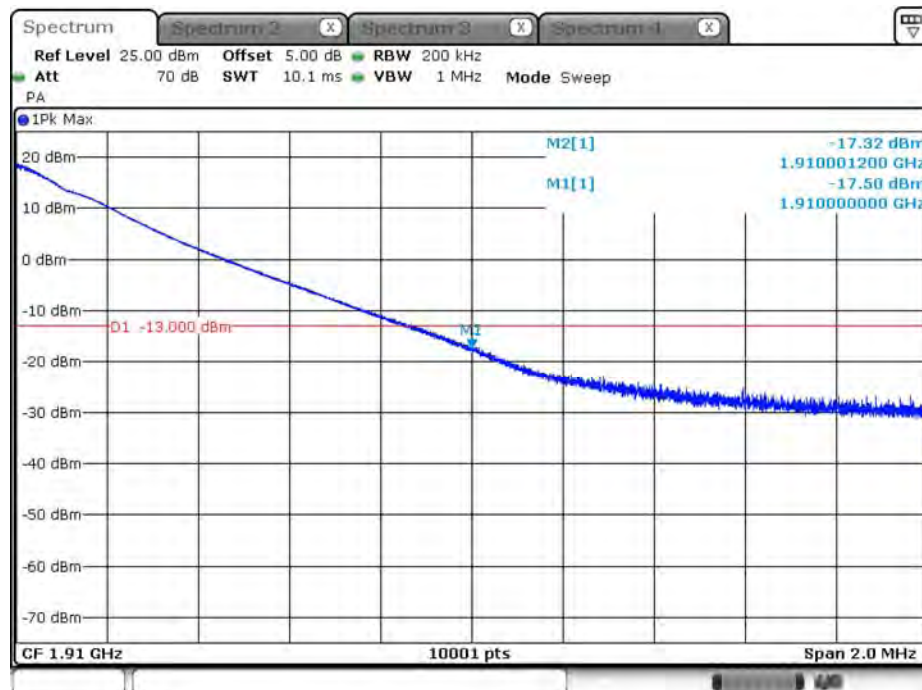
Date: 11.MAY.2018 17:24:53

CH18700_20M_16-QAM_1RB0



Date: 11.MAY.2018 17:44:52

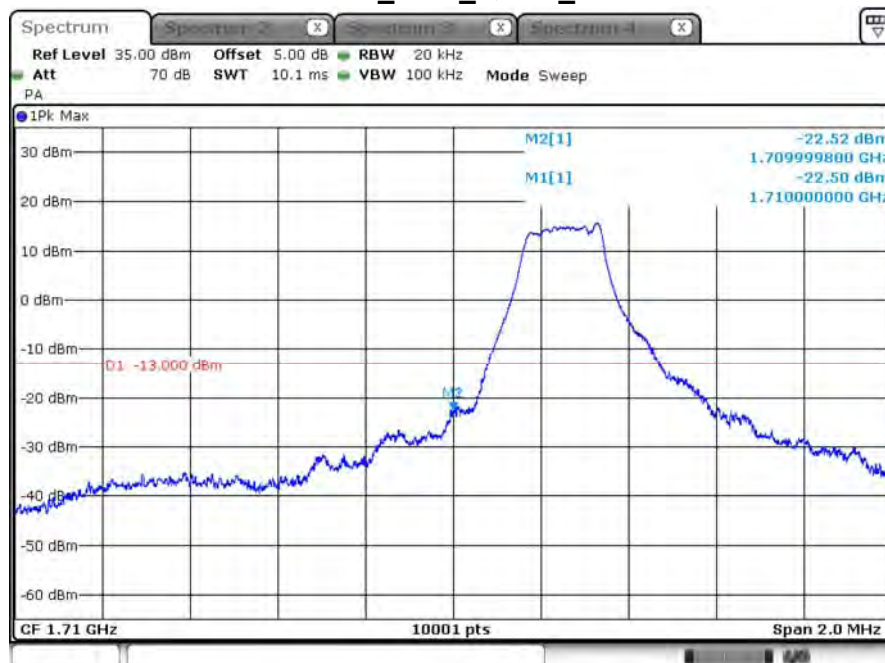
CH19100_20M_16-QAM_1RB99



Date: 11.MAY.2018 17:38:42

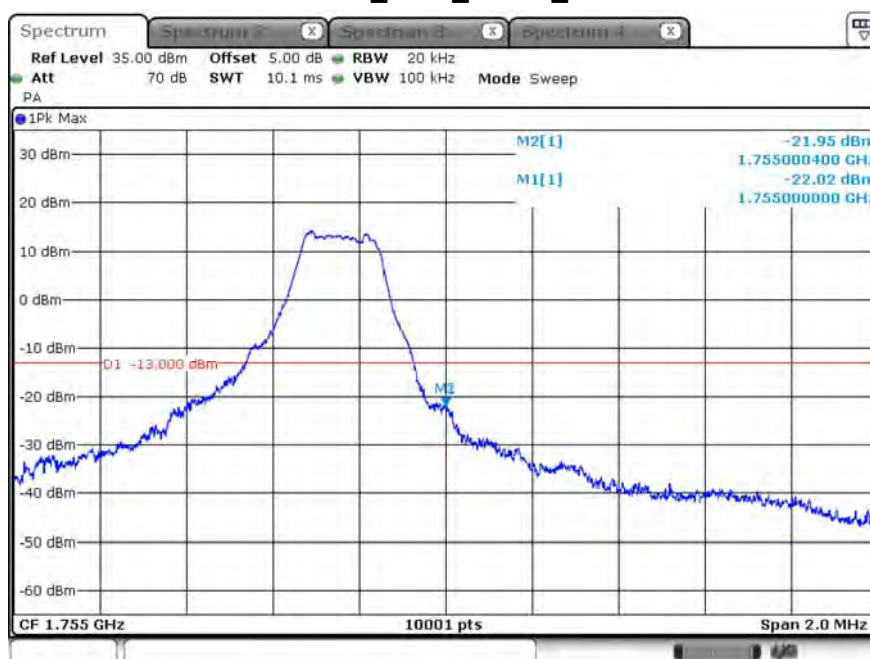
Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 2: LTE Band 4		
Date of Test	2018/05/17	Test Site	SR10-H

CH19957_1.4M_QPSK_1RB0



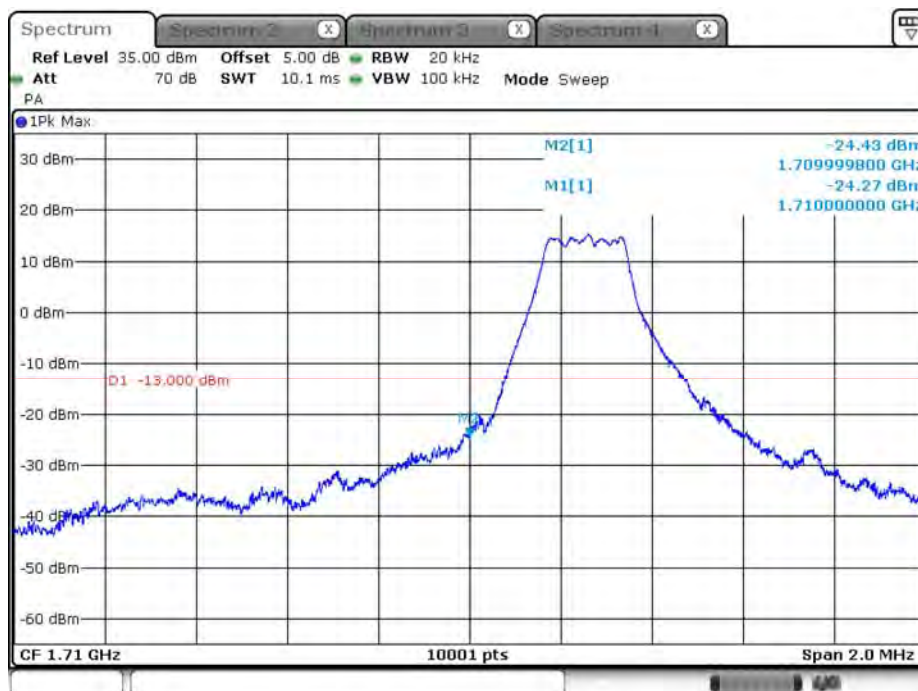
Date: 17 MAY 2018 13:13:55

CH20393_1.4M_QPSK_1RB5



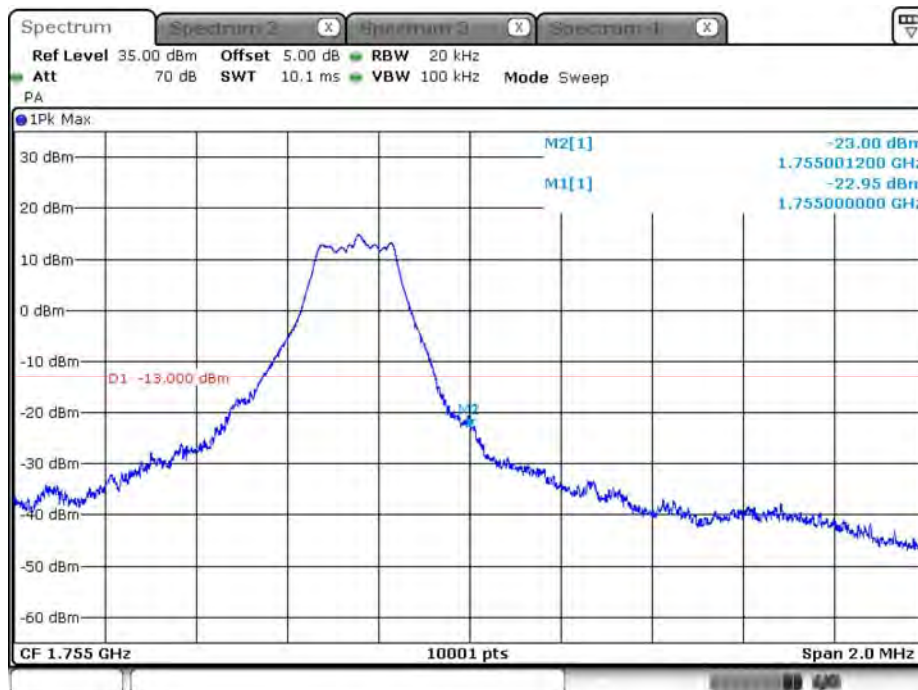
Date: 17 MAY 2018 13:33:08

CH19957_1.4M_16-QAM_1RB0



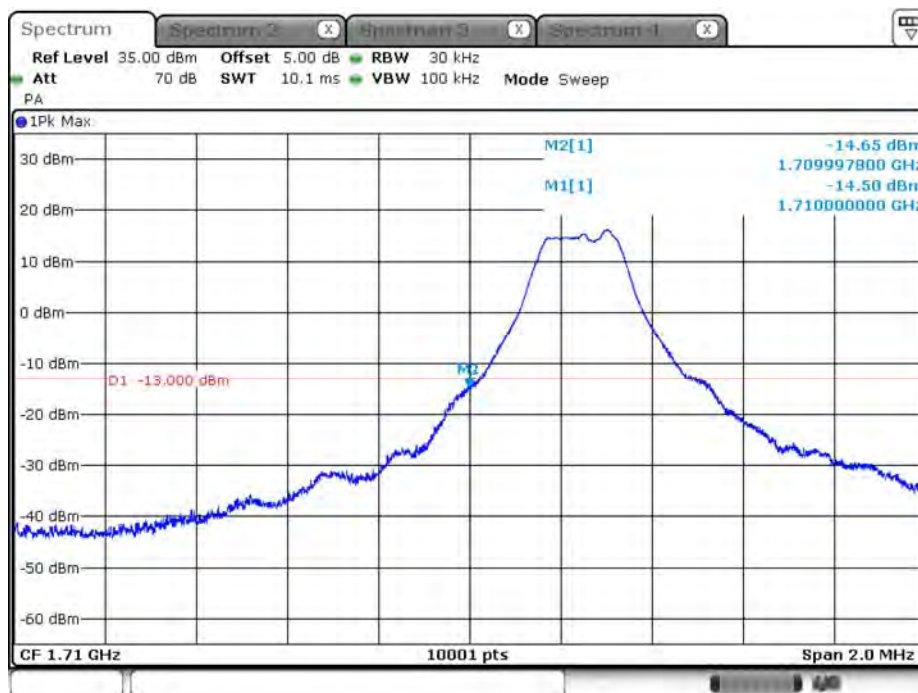
Date: 17.MAY.2018 13:15:52

CH20393_1.4M_16-QAM_1RB5



Date: 17.MAY.2018 13:34:58

CH19965_3M_QPSK_1RB0



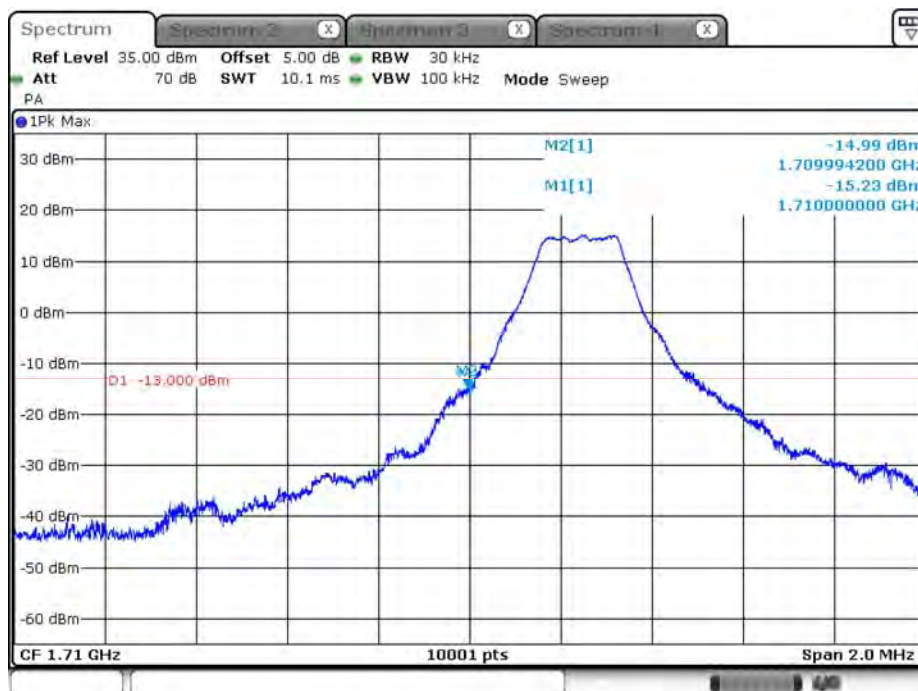
Date: 17.MAY.2018 14:05:14

CH20385_3M_QPSK_1RB14



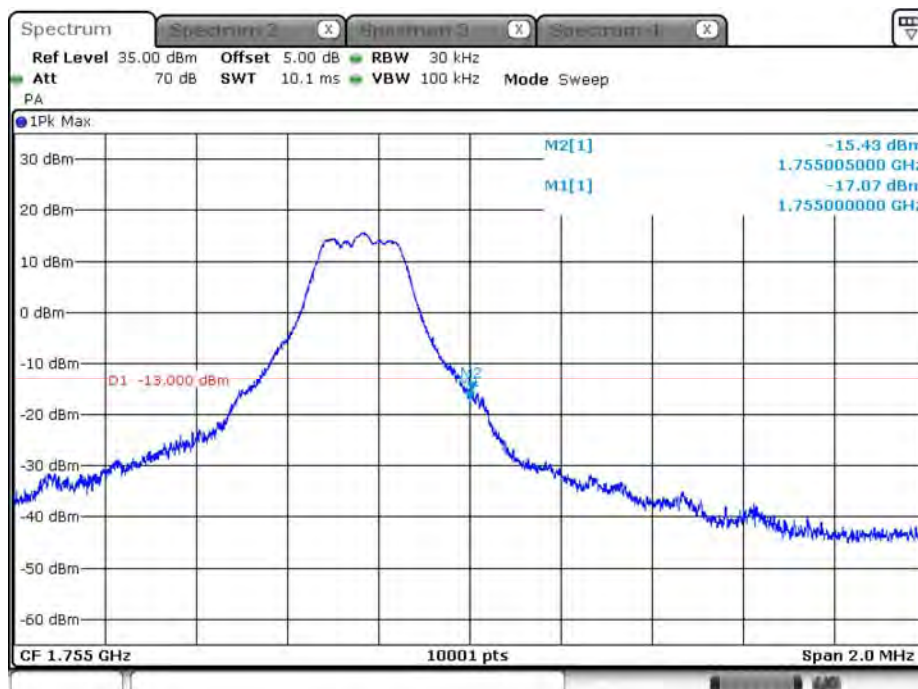
Date: 17.MAY.2018 13:57:14

CH19965_3M_16-QAM_1RB0



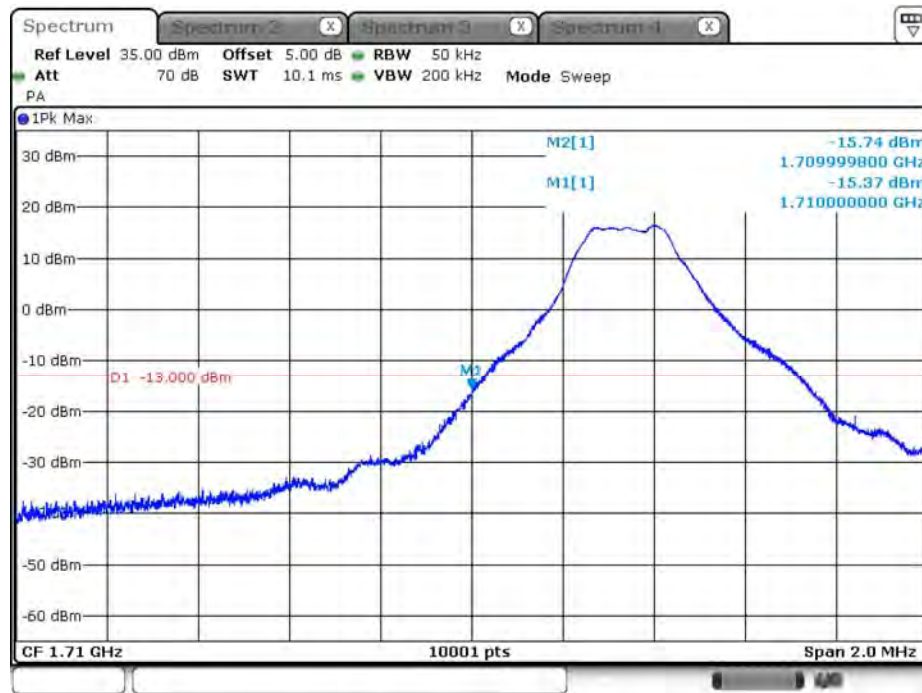
Date: 17.MAY.2018 13:52:38

CH20385_3M_16-QAM_1RB14



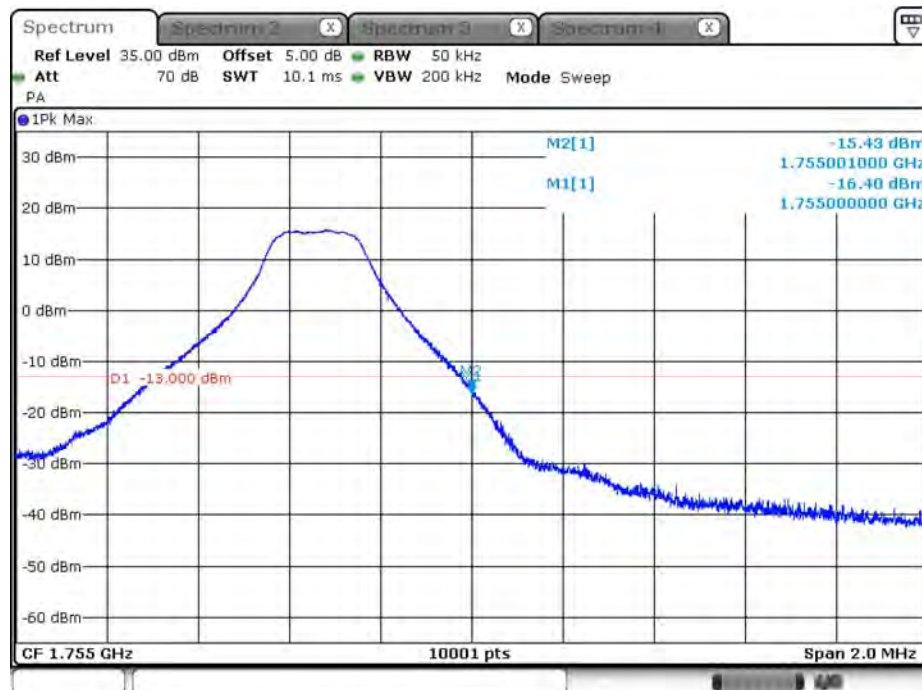
Date: 17.MAY.2018 13:59:00

CH19975_5M_QPSK_1RB0



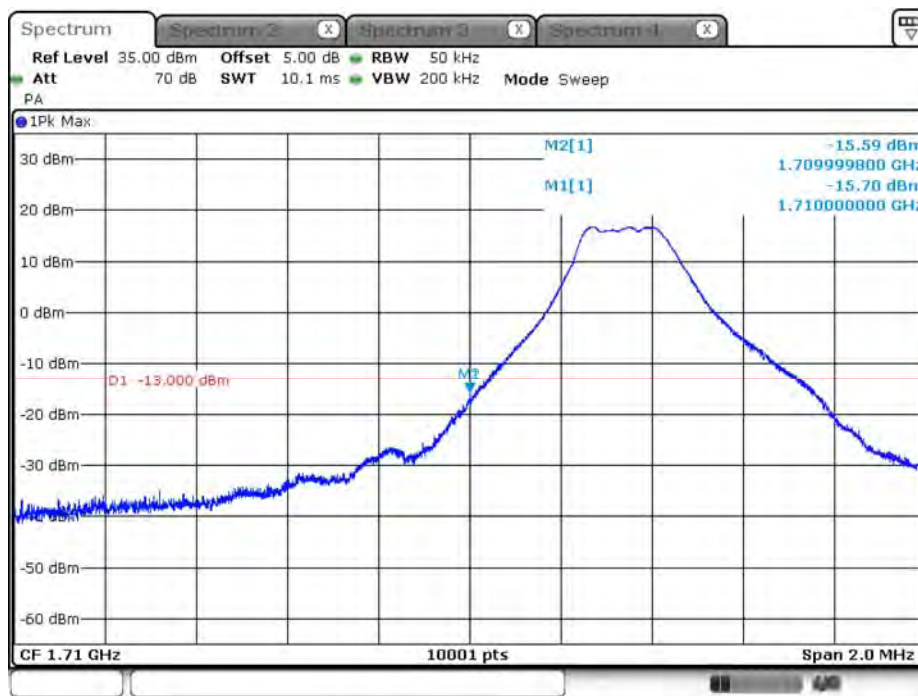
Date: 17.MAY.2018 14:08:24

CH20375_5M_QPSK_1RB24



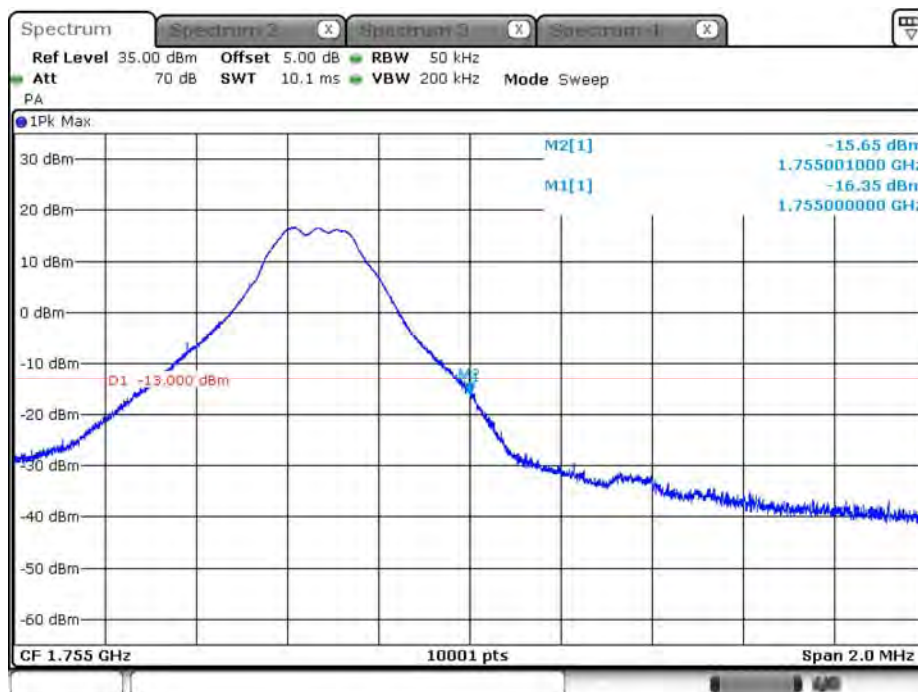
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CH19975_5M_16-QAM_1RB0



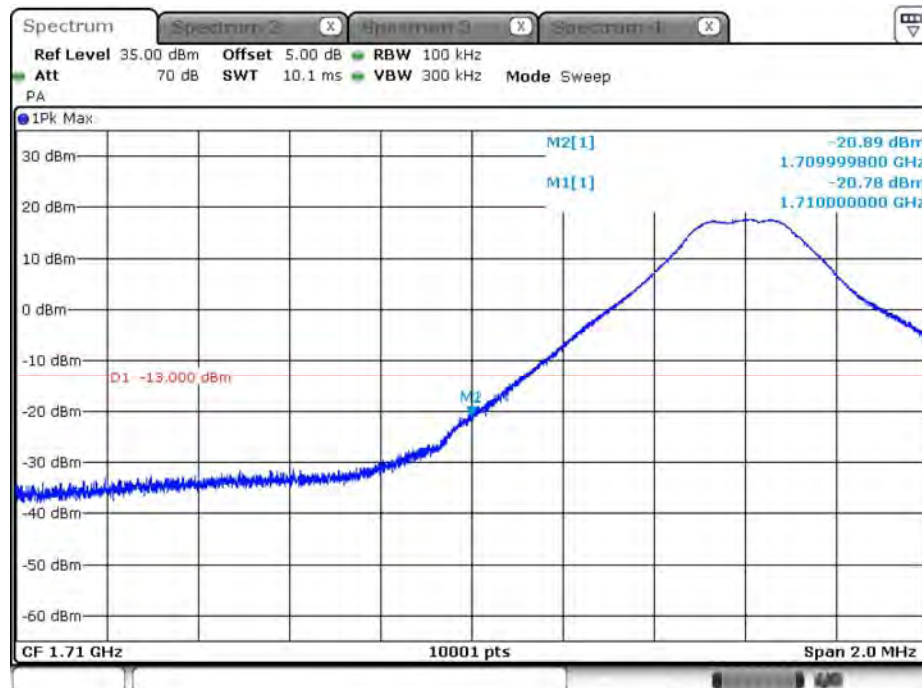
Date: 17.MAY.2018 14:12:23

CH20375_5M_16-QAM_1RB24



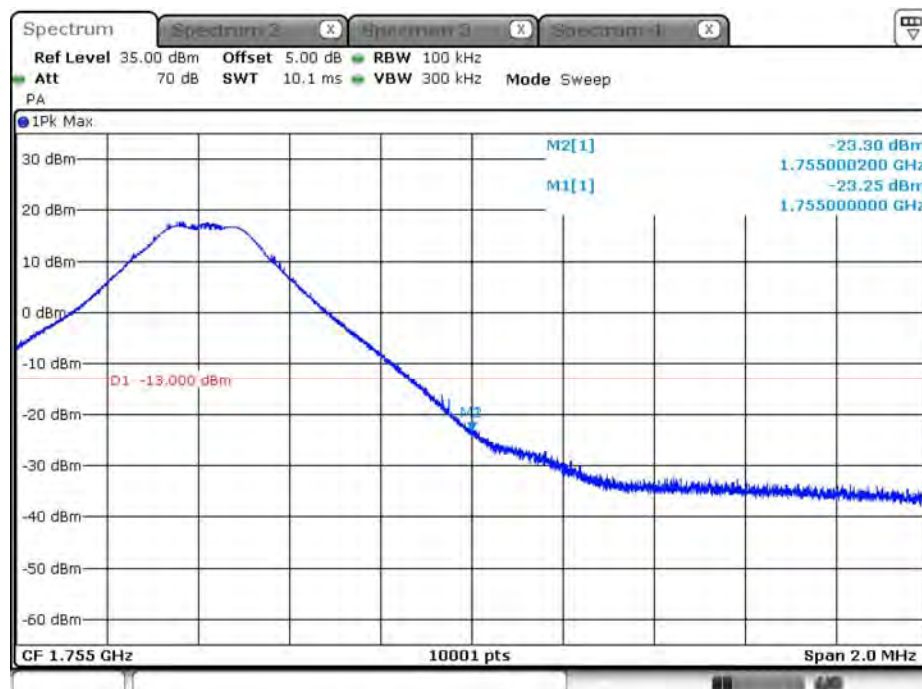
Date: 17.MAY.2018 14:21:52

CH20000_10M_QPSK_1RB0



Date: 17.MAY.2018 14:27:47

CH20350_10M_QPSK_1RB049



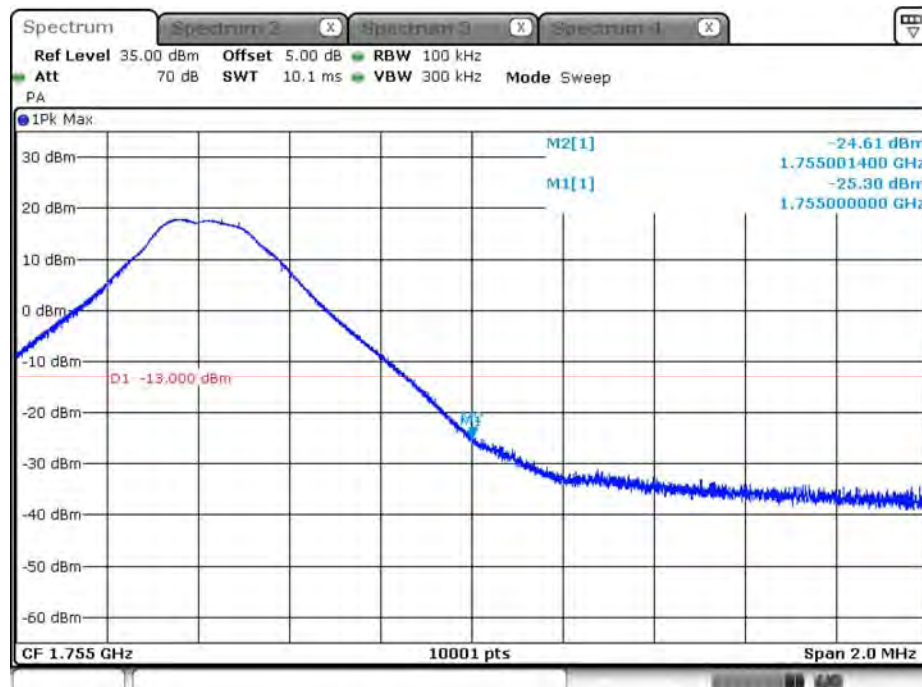
Date: 17.MAY.2018 14:38:55

CH20000_10M_16-QAM_1RB0



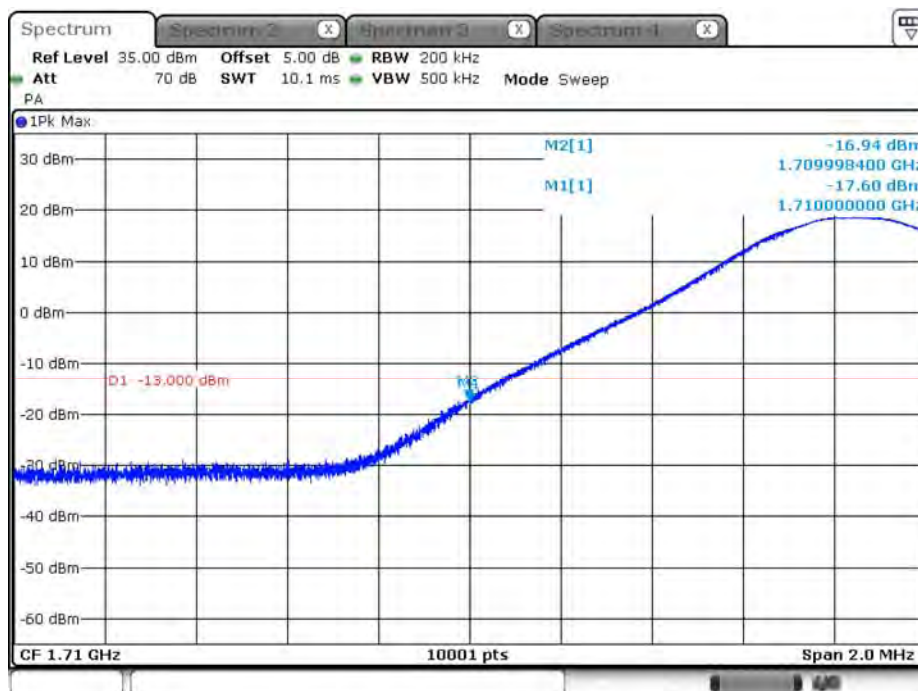
Date: 17.MAY.2018 14:30:16

CH20350_10M_16-QAM_1RB49



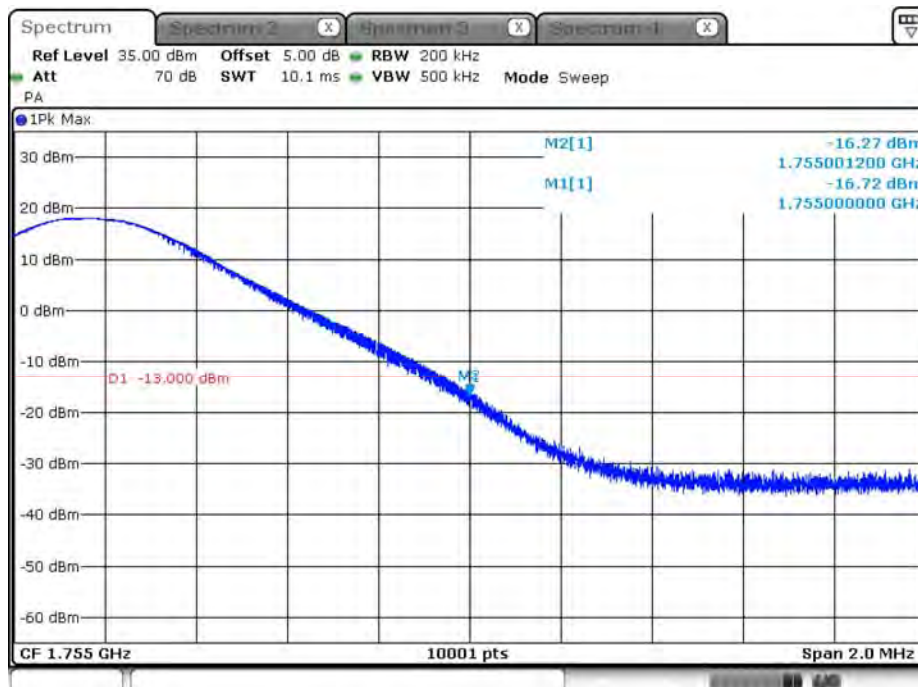
Date: 17.MAY.2018 14:41:41

CH20025_15M_QPSK_1RB0



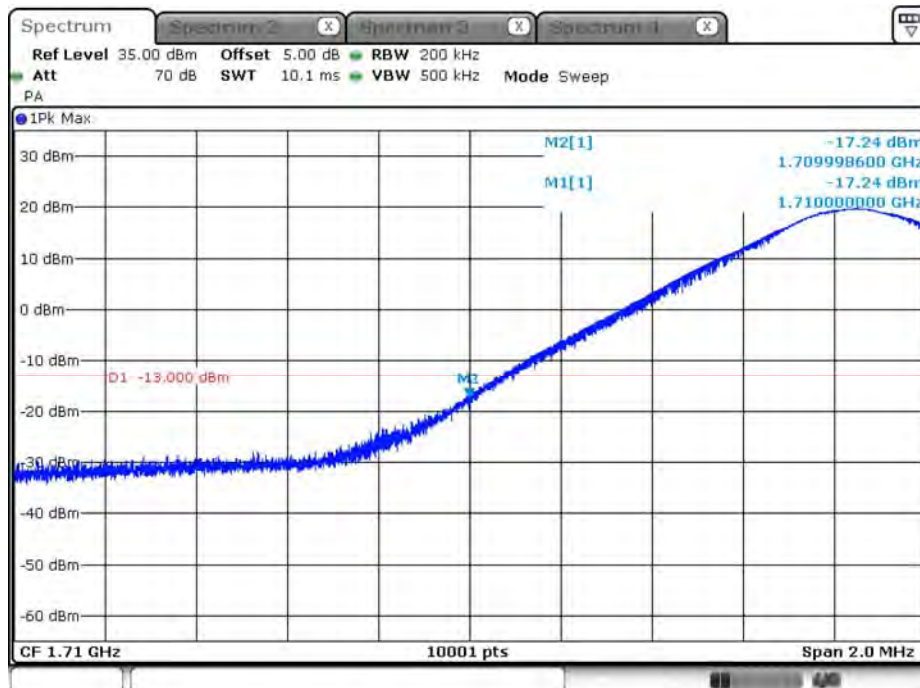
Date: 17.MAY.2018 14:44:22

CH20325_15M_QPSK_1RB74



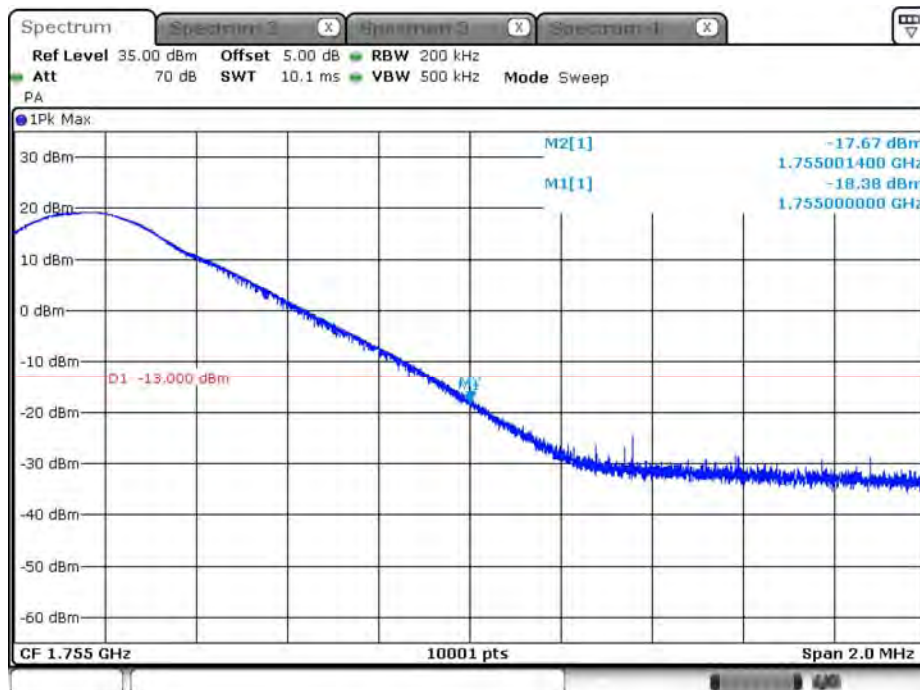
Date: 17.MAY.2018 14:48:40

CH20025_15M_16-QAM_1RB0



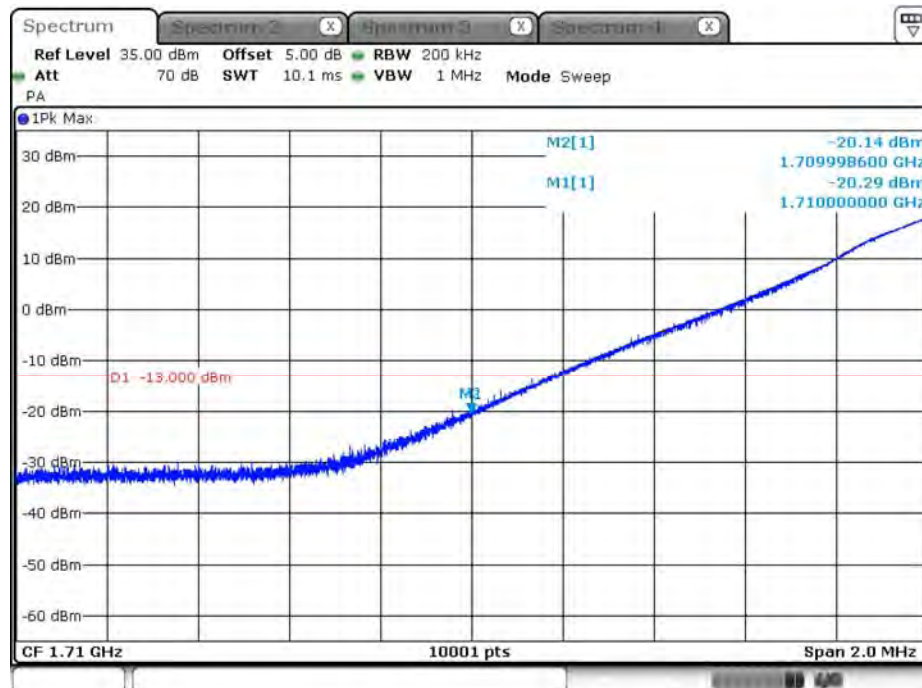
Date: 17.MAY.2018 14:46:21

CH20325_15M_16-QAM_1RB74



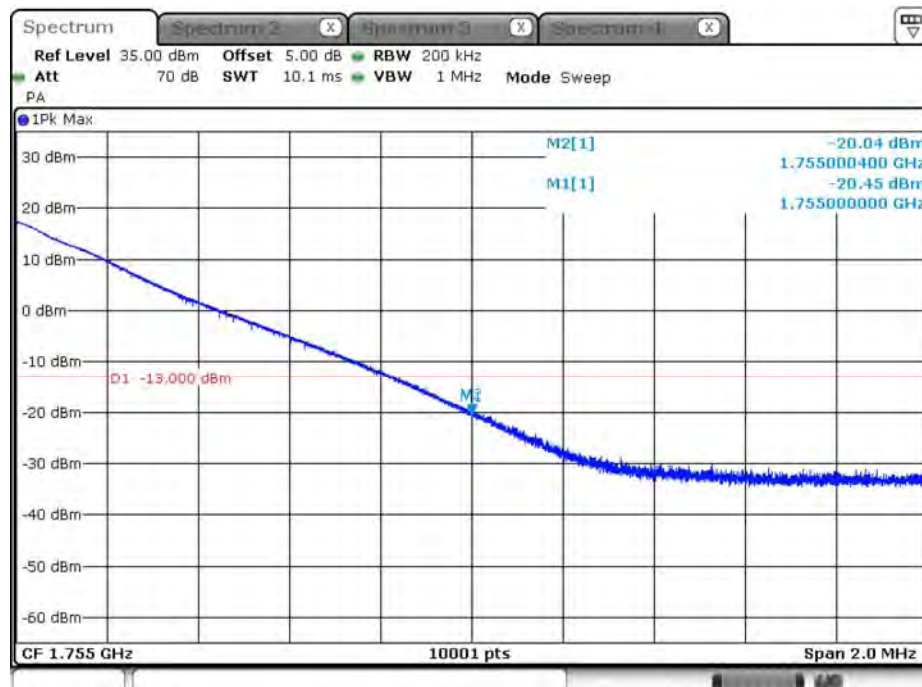
Date: 17.MAY.2018 14:51:13

CH20050_20M_QPSK_1RB0



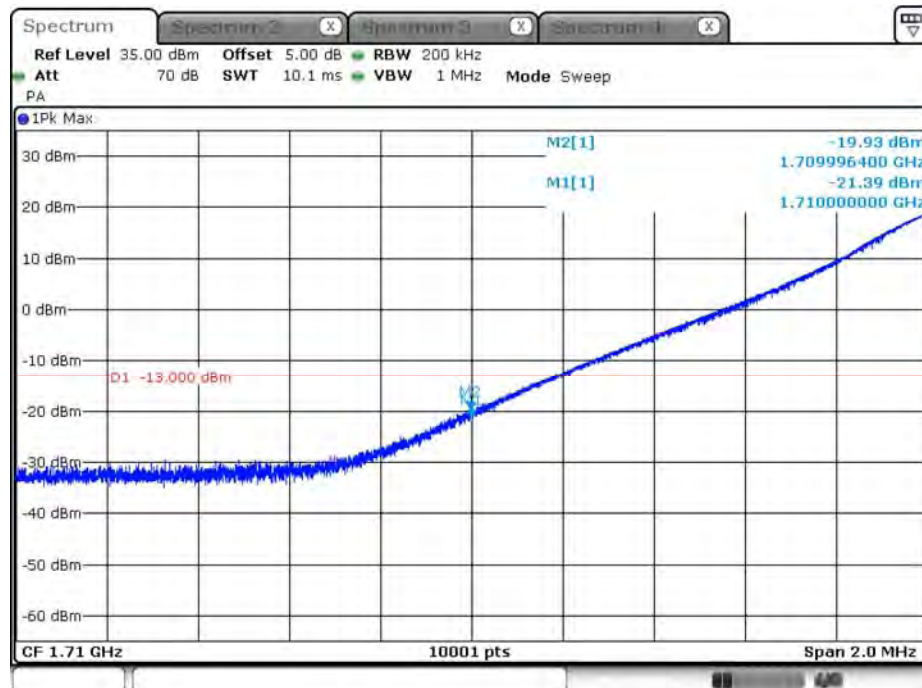
Date: 17.MAY.2018 14:56:15

CH20300_20M_QPSK_1RB99



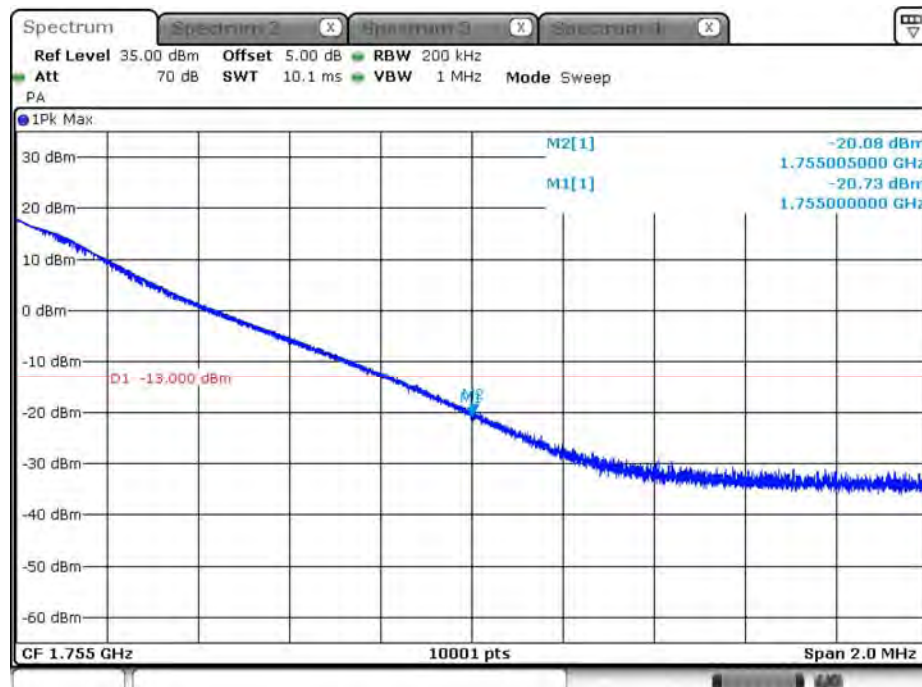
Date: 17.MAY.2018 15:08:36

CH20050_20M_16-QAM_1RB0



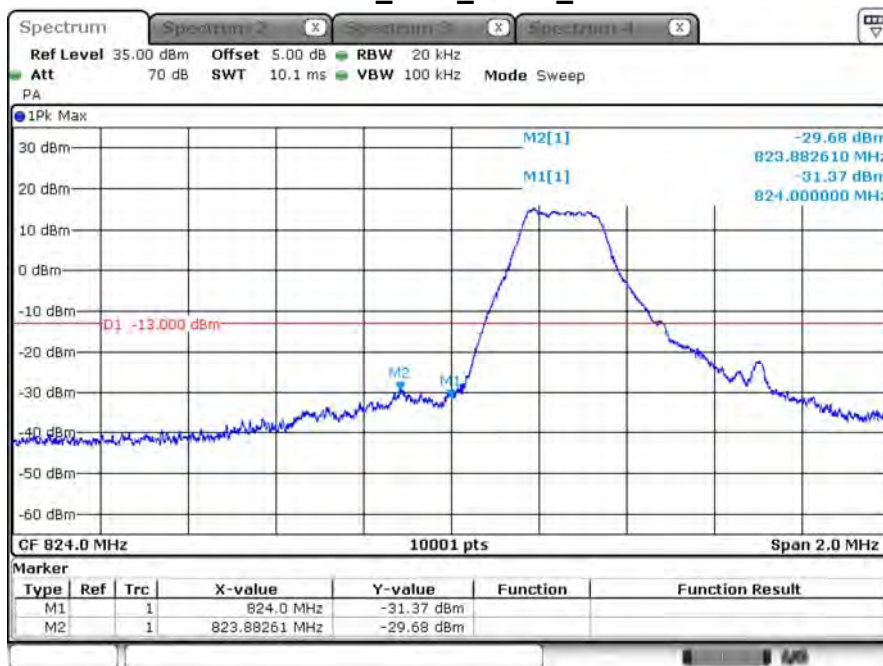
Date: 17.MAY.2018 14:59:00

CH20300_20M_16-QAM_1RB99

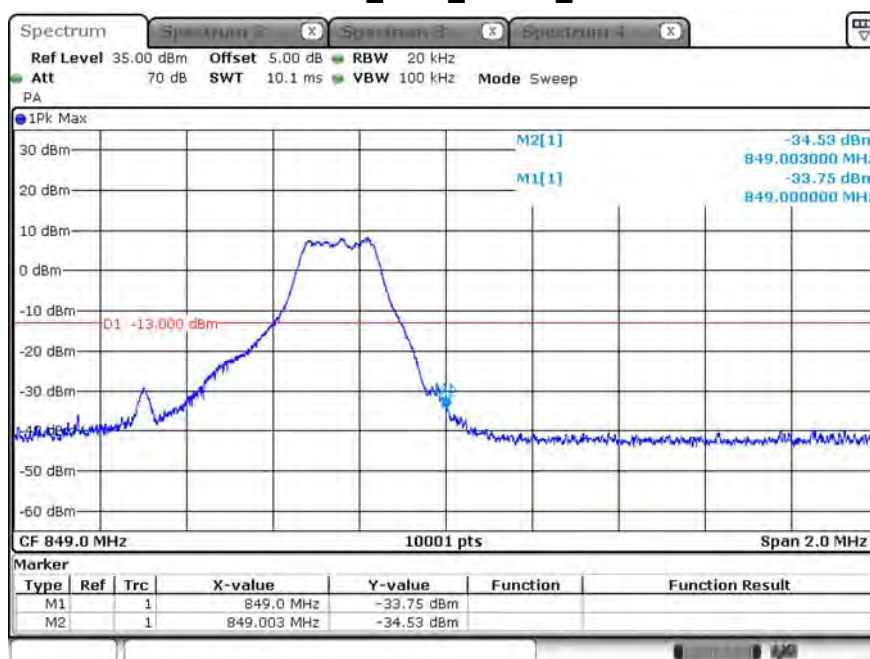


Date: 17.MAY.2018 15:11:27

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 3: LTE Band 5		
Date of Test	2018/05/15	Test Site	SR10-H

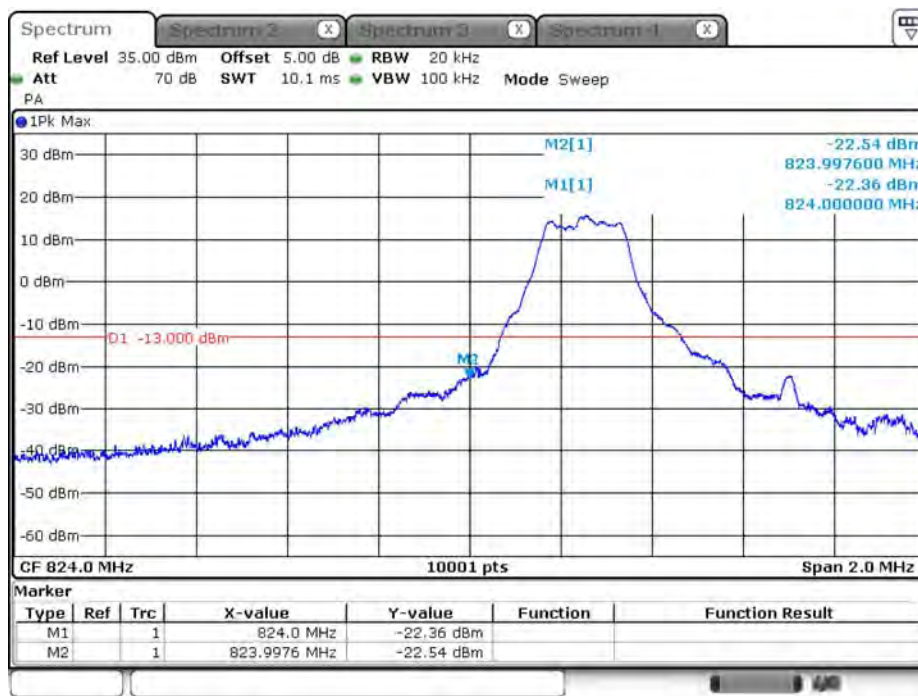
CH20407_1.4M_QPSK_1RB0

Date: 15 MAY 2018 10:44:50

CH20643_1.4M_QPSK_1RB5

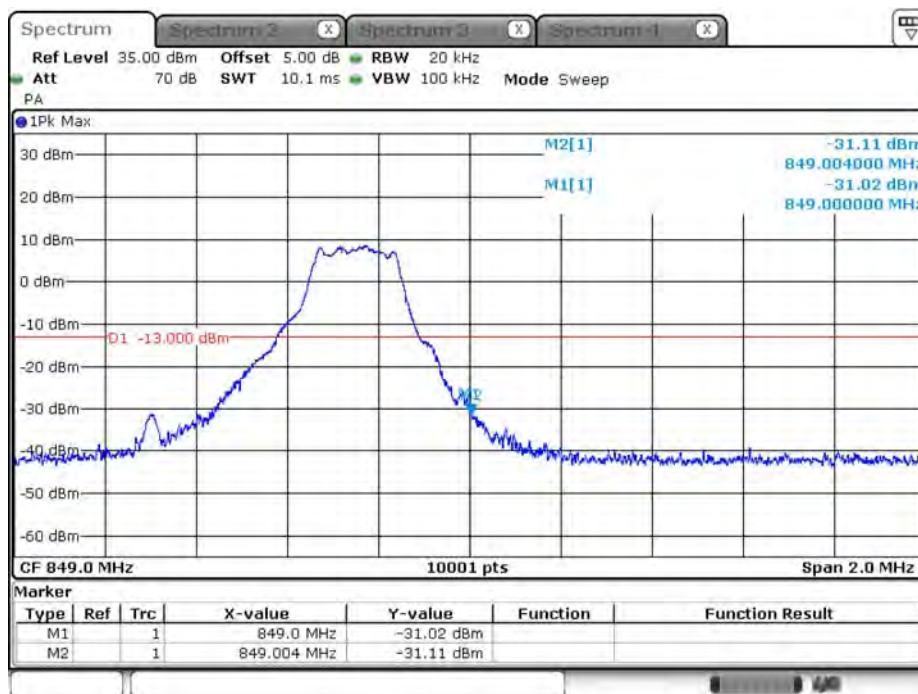
Date: 15 MAY 2018 10:54:54

CH20407_1.4M_16-QAM._1RB0



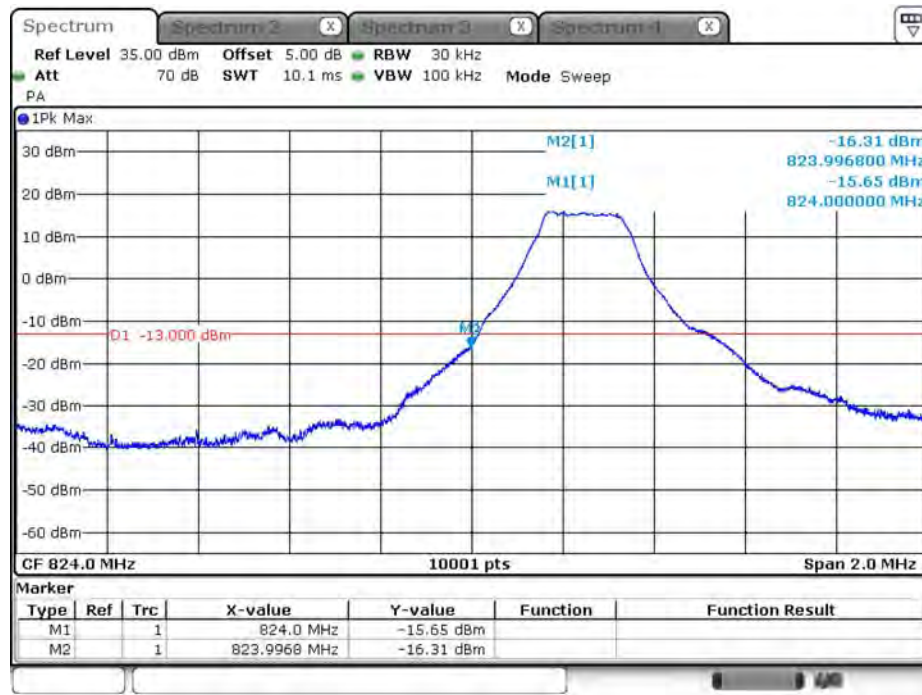
Date: 15 MAY 2018 10:40:37

CH20643_1.4M_16-QAM._1RB5



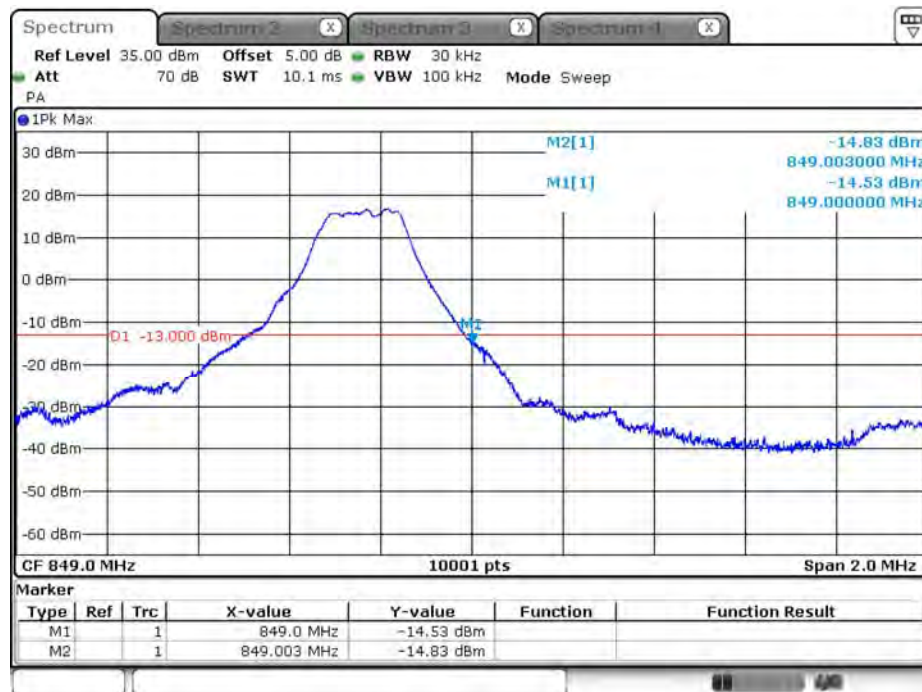
Date: 15 MAY 2018 10:53:45

CH20415_3M_QPSK_1RB0



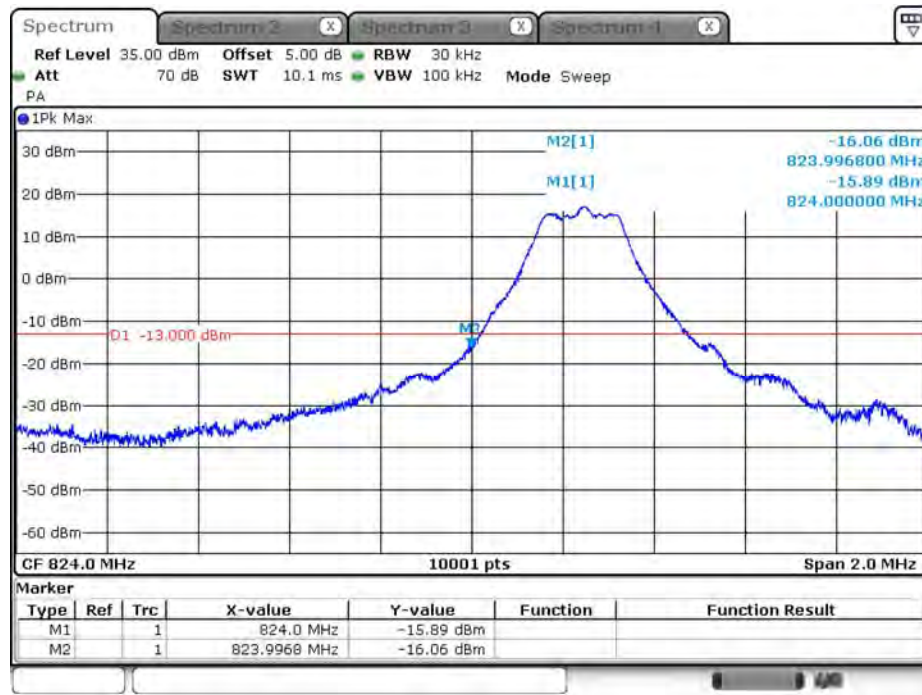
Date: 15.MAY.2018 11:25:04

CH20635_3M_QPSK_1RB14



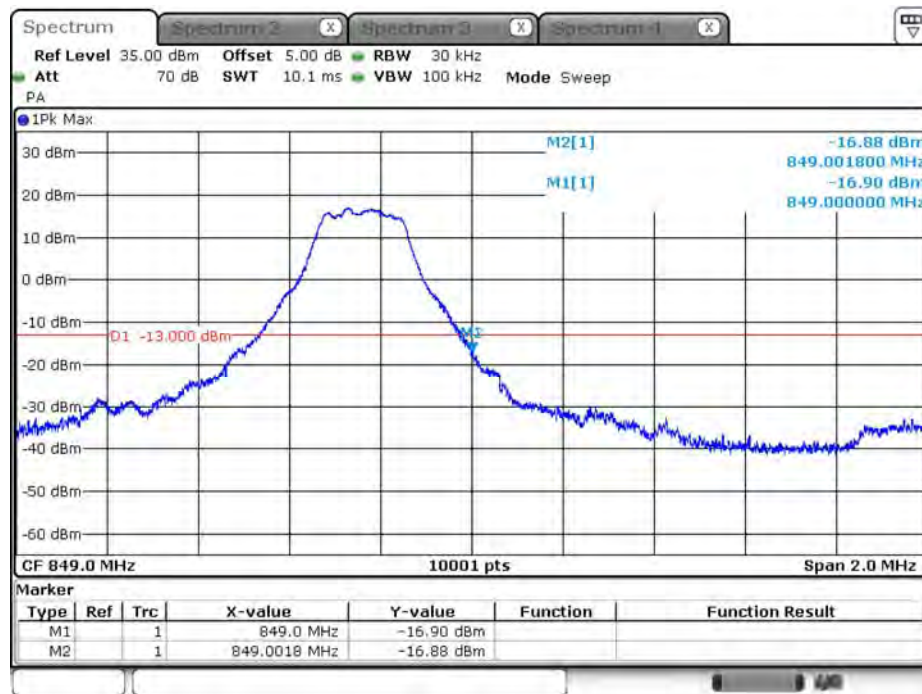
Date: 15.MAY.2018 11:29:50

CH20415_3M_16-QAM_1RB0



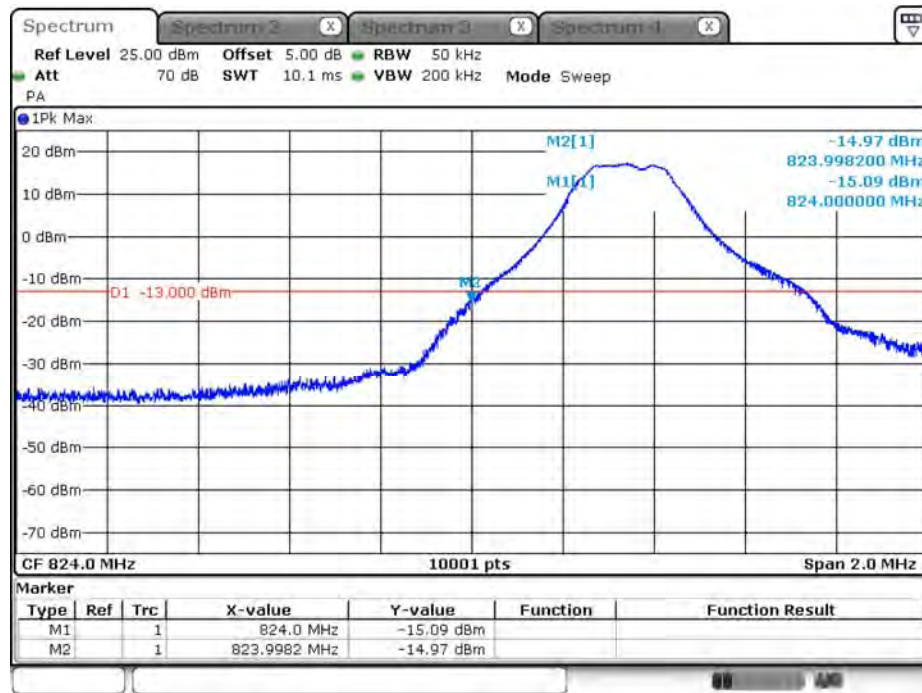
Date: 15.MAY.2018 11:26:06

CH20635_3M_16-QAM_1RB14



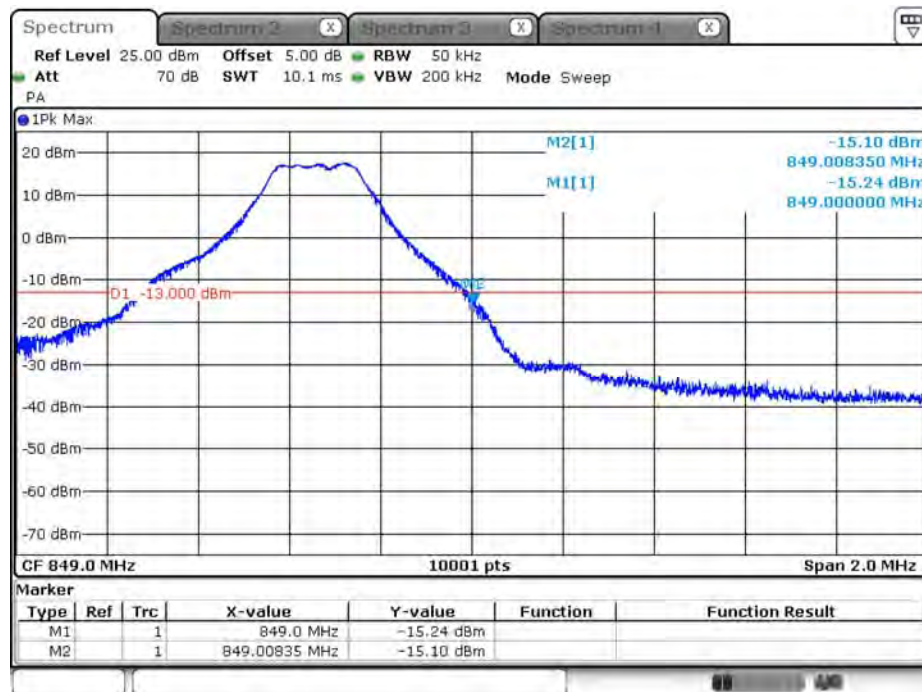
Date: 15.MAY.2018 11:27:29

CH20425_5M_QPSK_1RB0



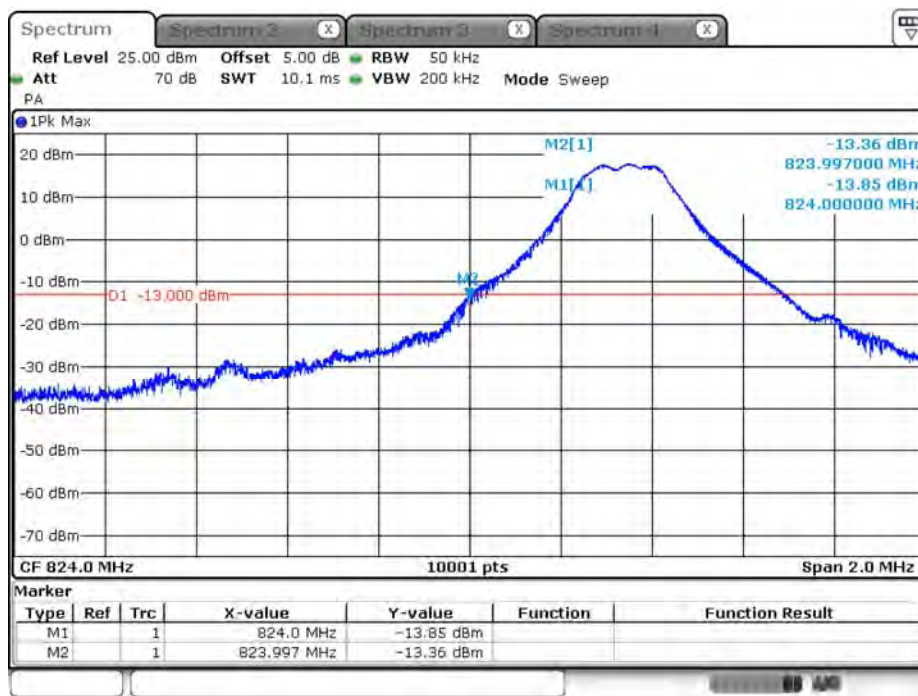
Date: 15 MAY 2018 11:46:00

CH20625_5M_QPSK_1RB24



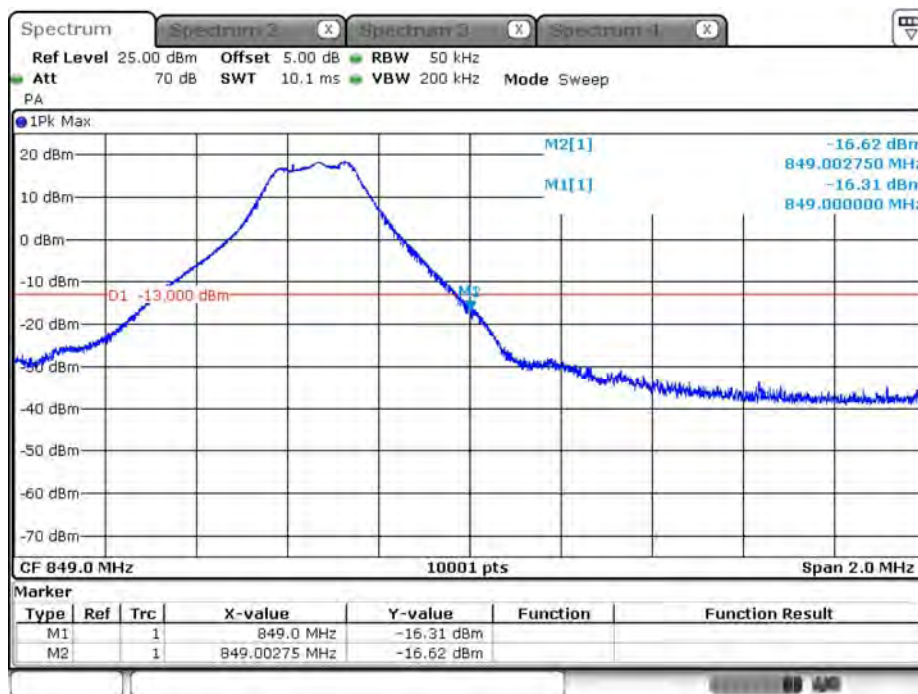
Date: 15 MAY 2018 11:50:54

CH20425_5M_16-QAM_1RB0



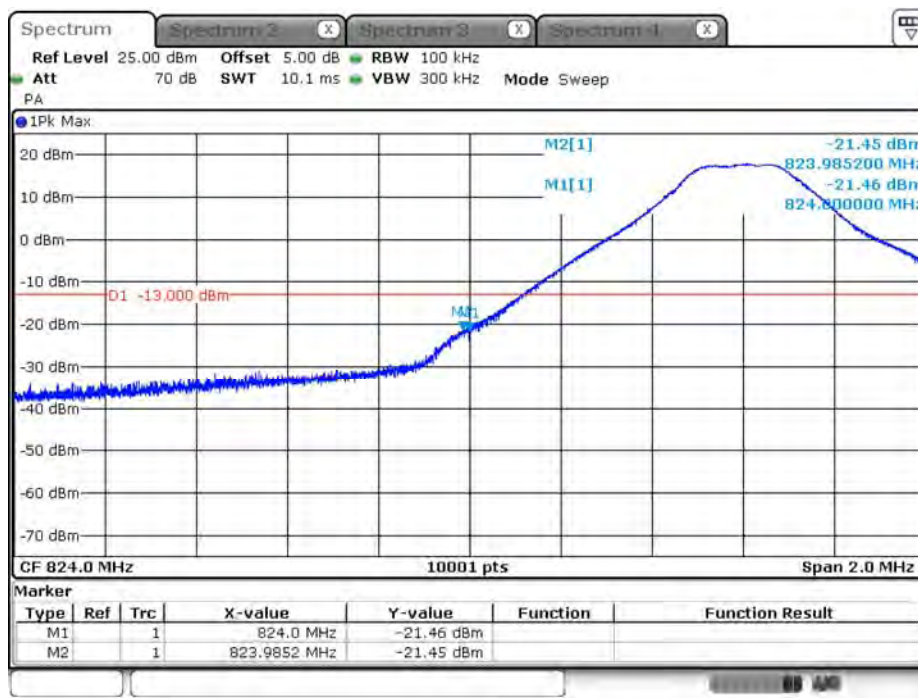
Date: 15 MAY 2018 11:47:26

CH20625_5M_16-QAM_1RB24



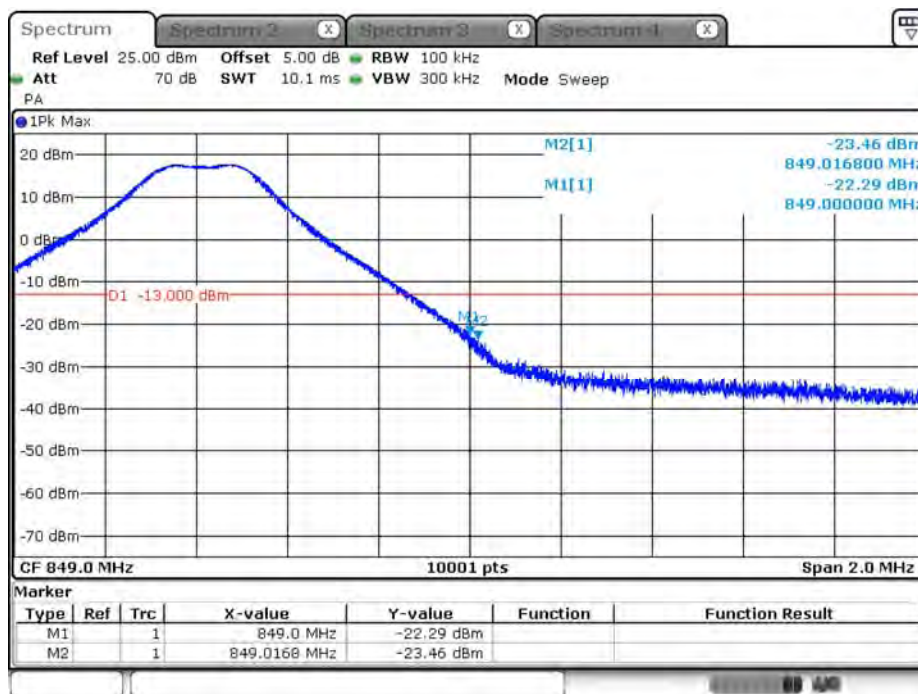
Date: 15 MAY 2018 11:49:28

CH20450_10M_QPSK_1RB0



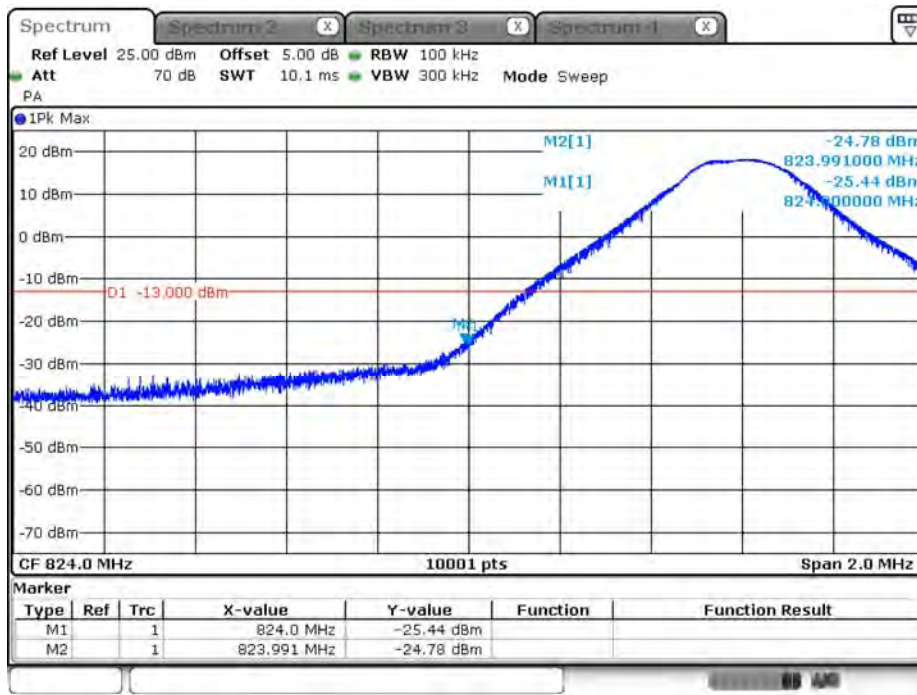
Date: 15 MAY 2018 13:37:49

CH20600_10M_QPSK_1RB49



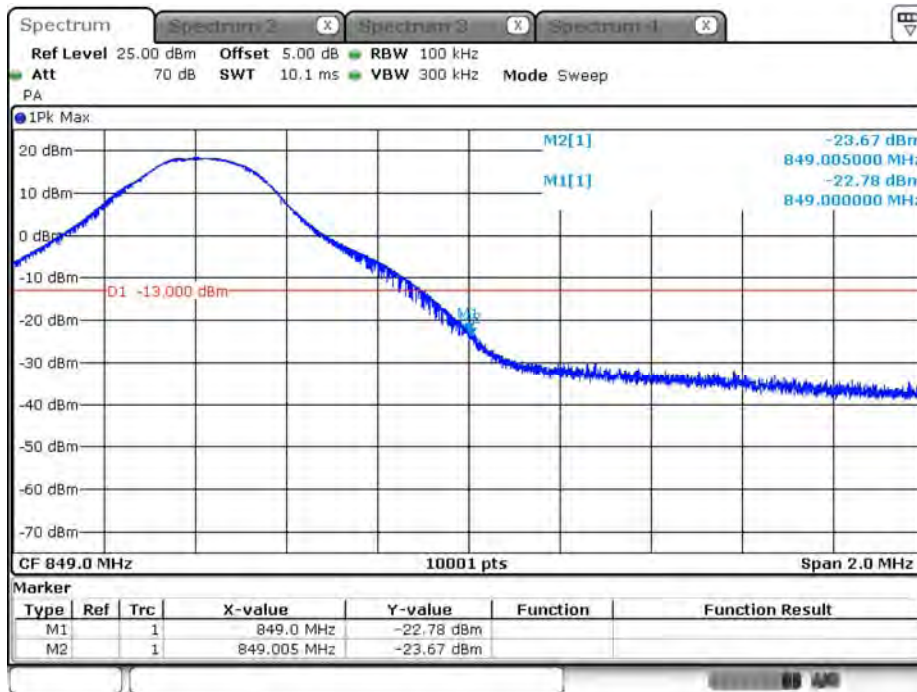
Date: 15 MAY 2018 13:47:40

CH20450_10M_16-QAM_1RB0



Date: 15 MAY 2018 13:40:25

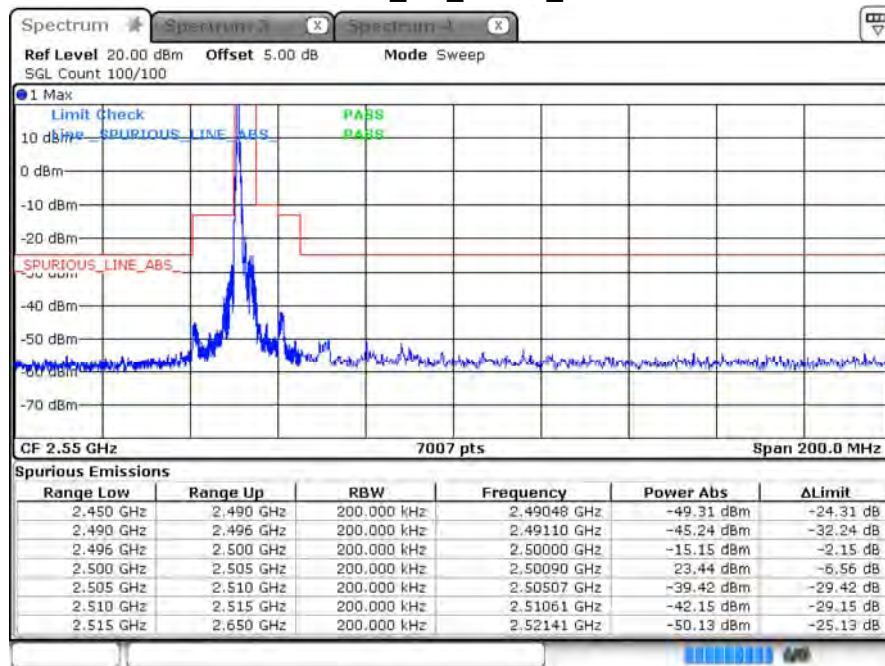
CH20600_10M_16-QAM_1RB49



Date: 15 MAY 2018 13:46:40

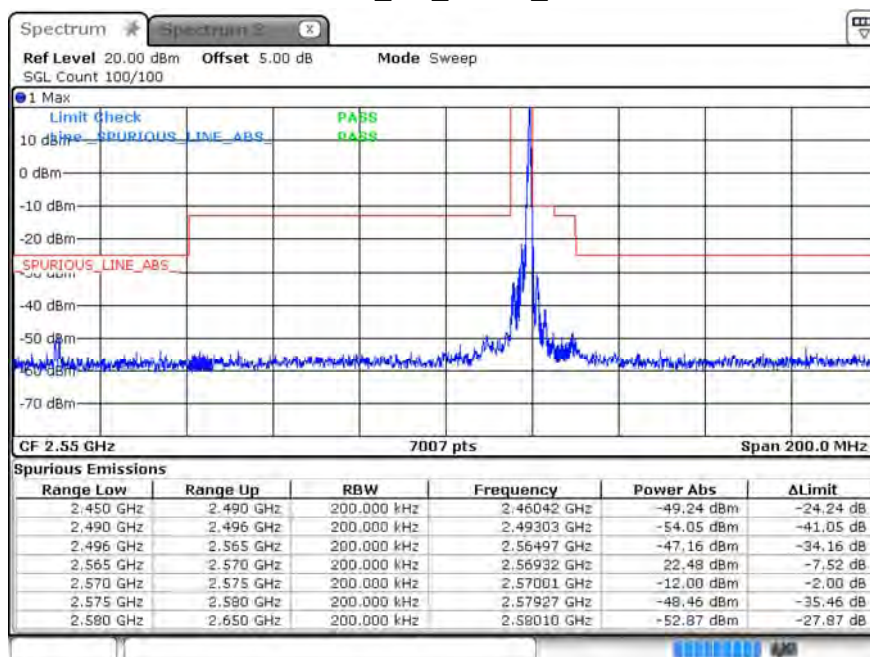
Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 4: LTE Band 7		
Date of Test	2018/08/18	Test Site	SR10-H

CH20775_5M_QPSK_1RB0

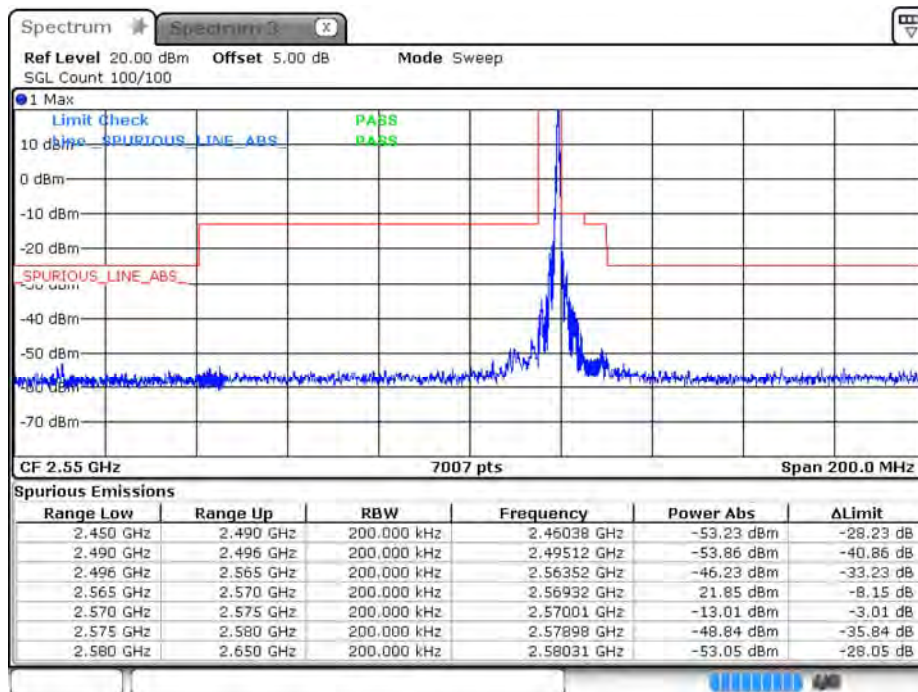
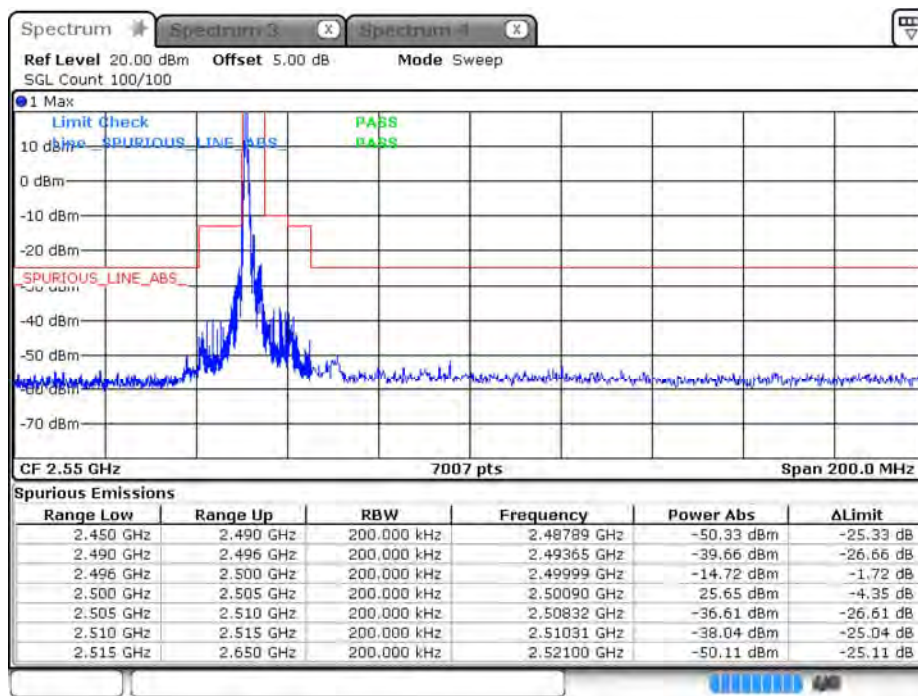


Date: 18.AUG.2018 04:19:10

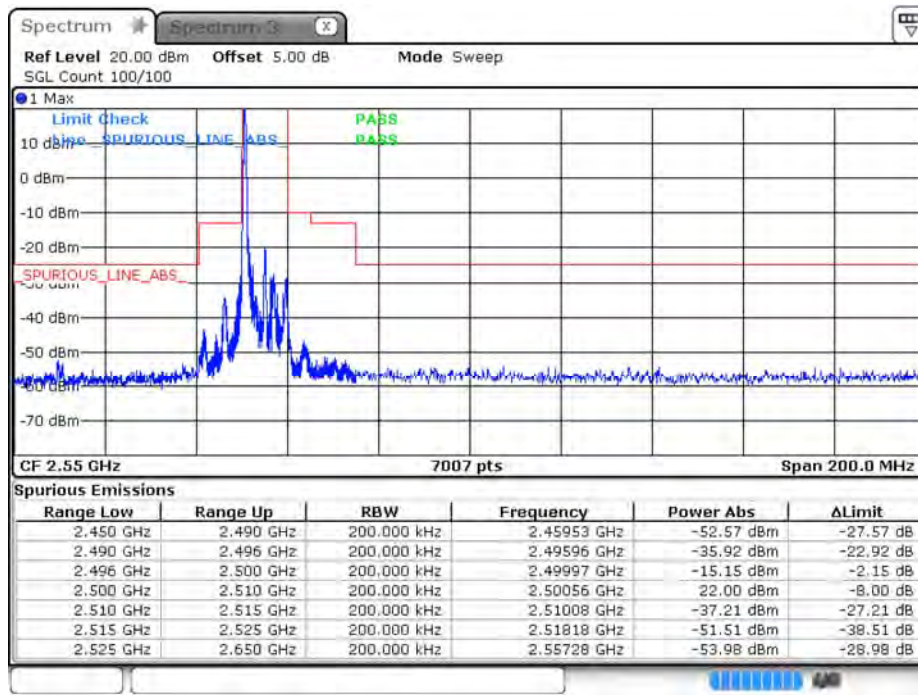
CH21425_5M_QPSK_1RB24



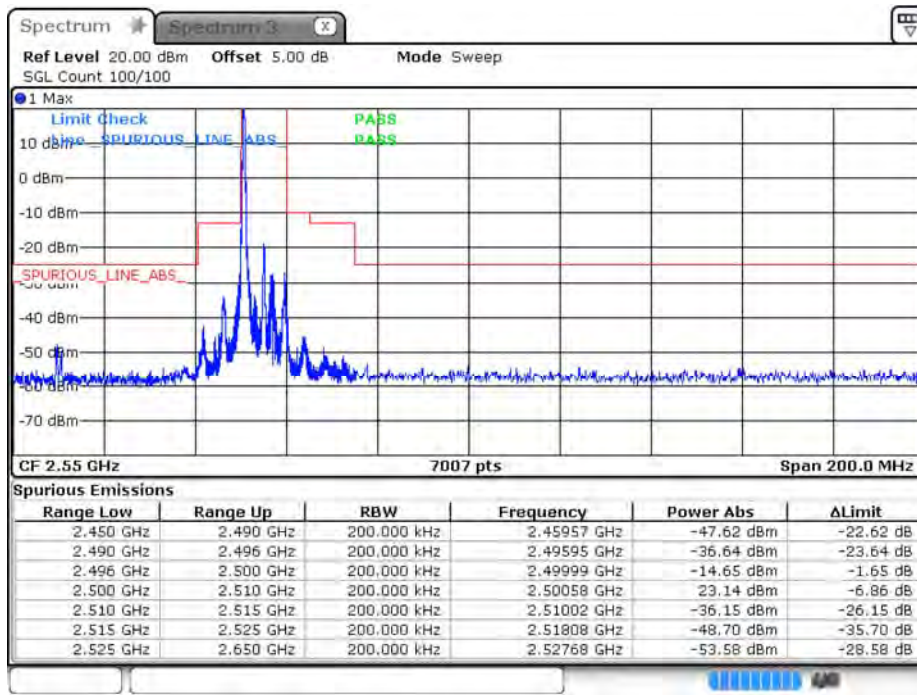
Date: 18.AUG.2018 01:19:29



CH20800_10M_QPSK_1RB0

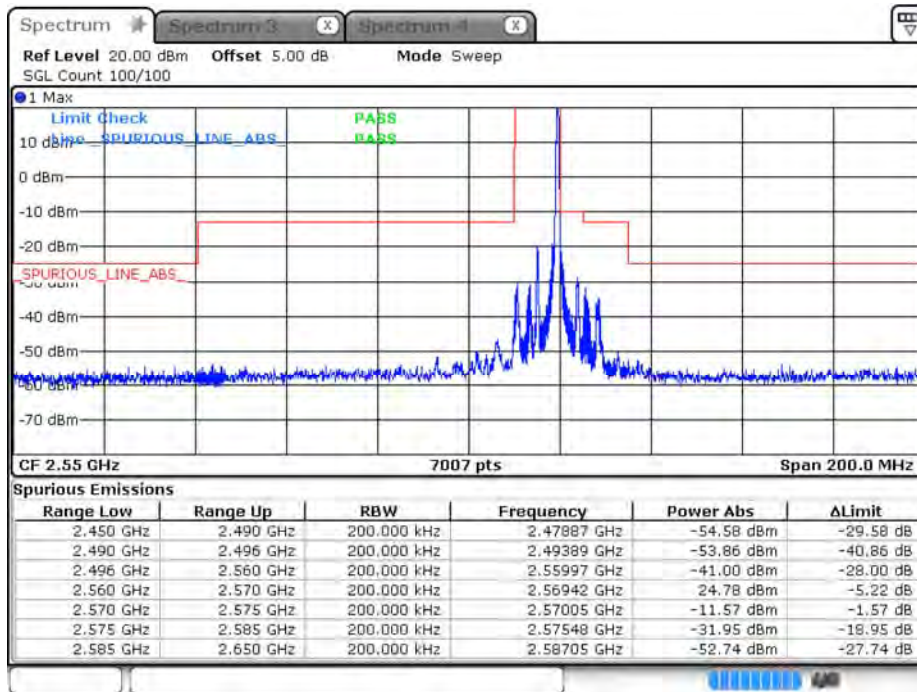


CH20800_10M_16-QAM_1RB0

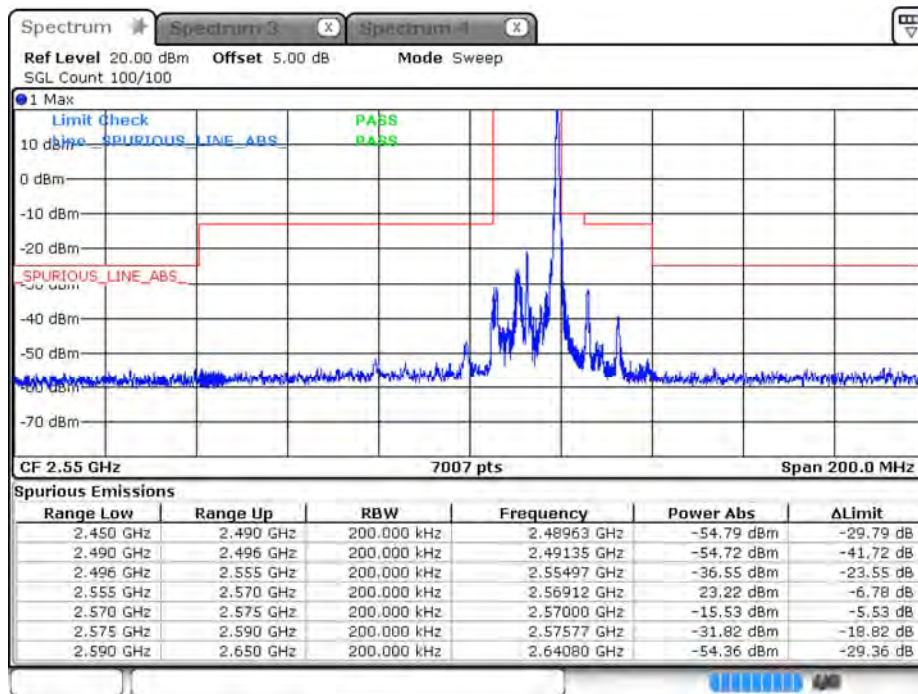
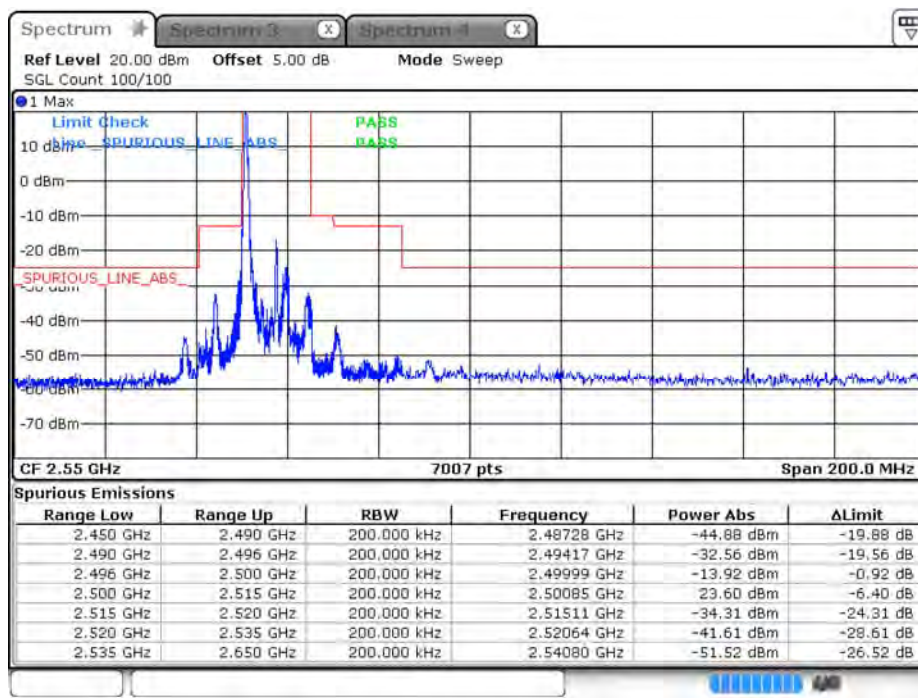


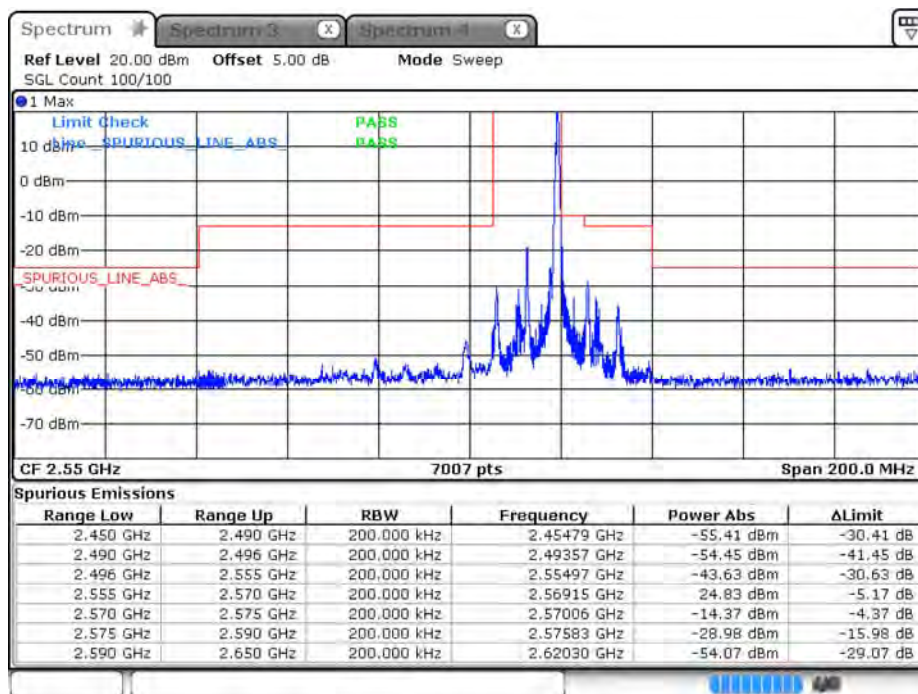
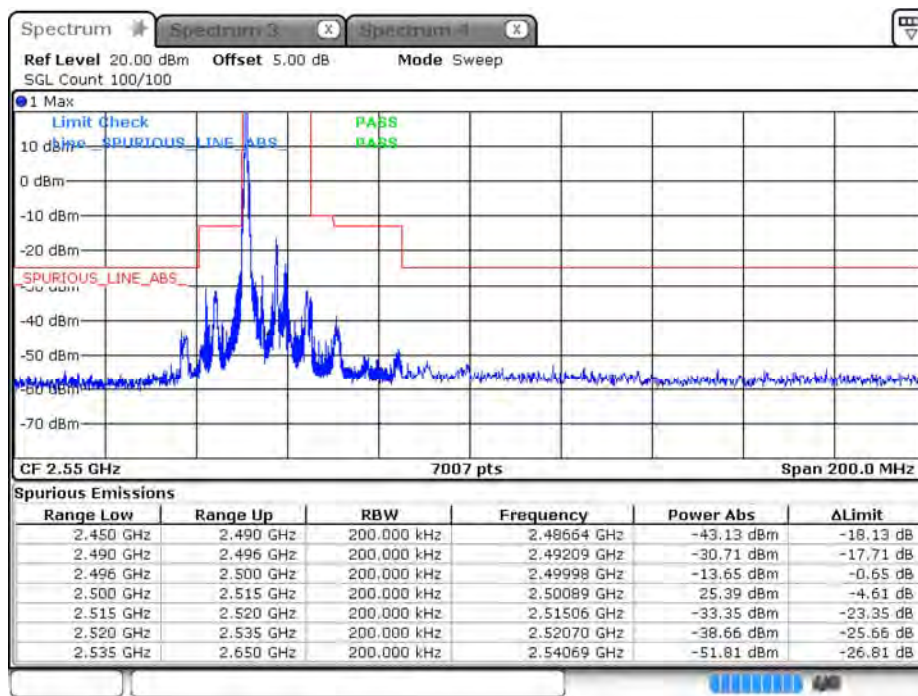
Date: 18 AUG 2018 01:35:33

CH21400_10M_16-QAM_1RB49

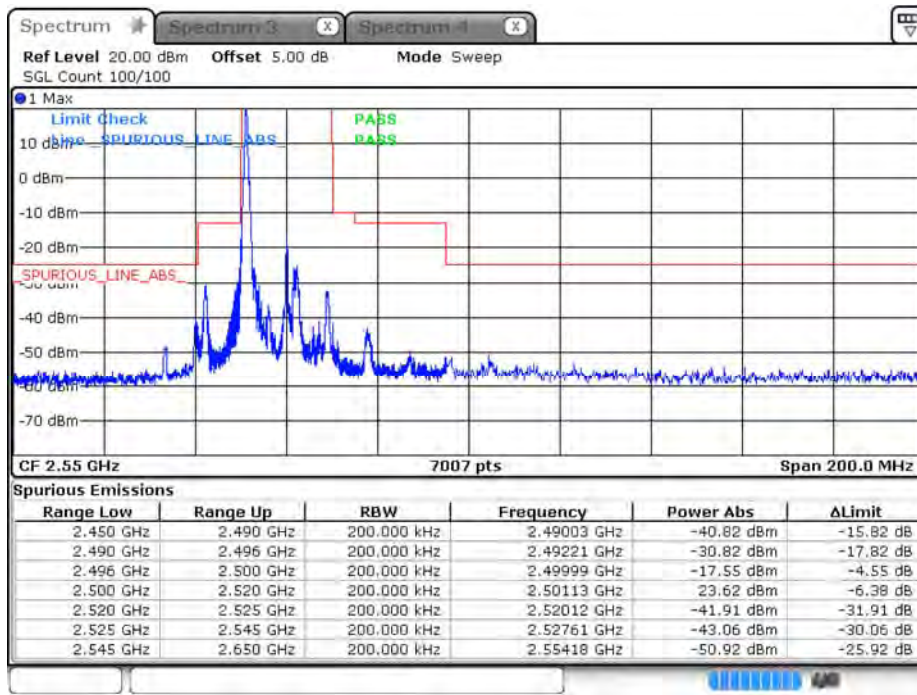


Date: 18 AUG 2018 04:47:40



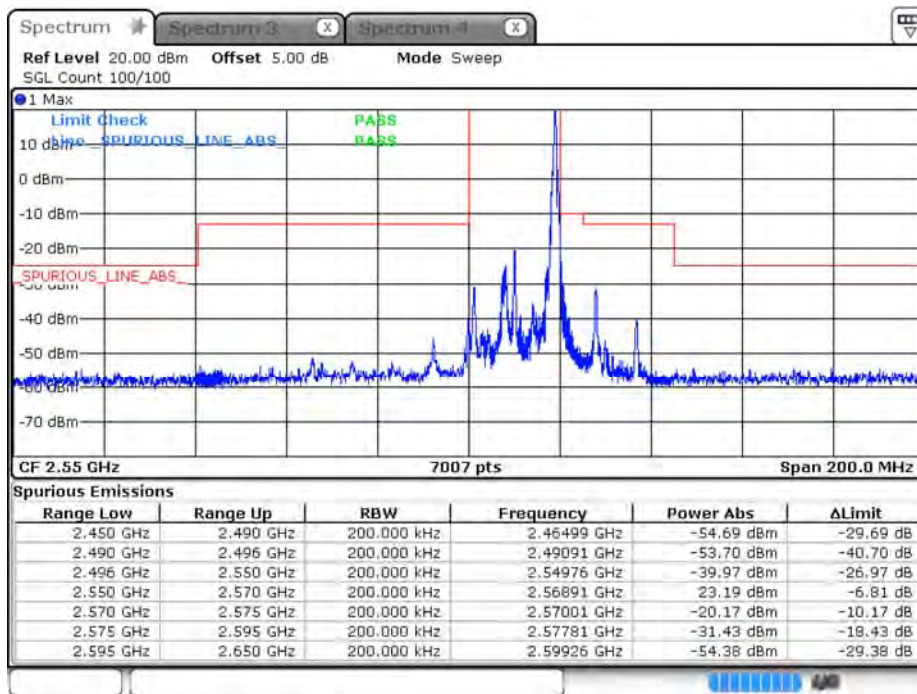


CH20850_20M_QPSK_1RB0

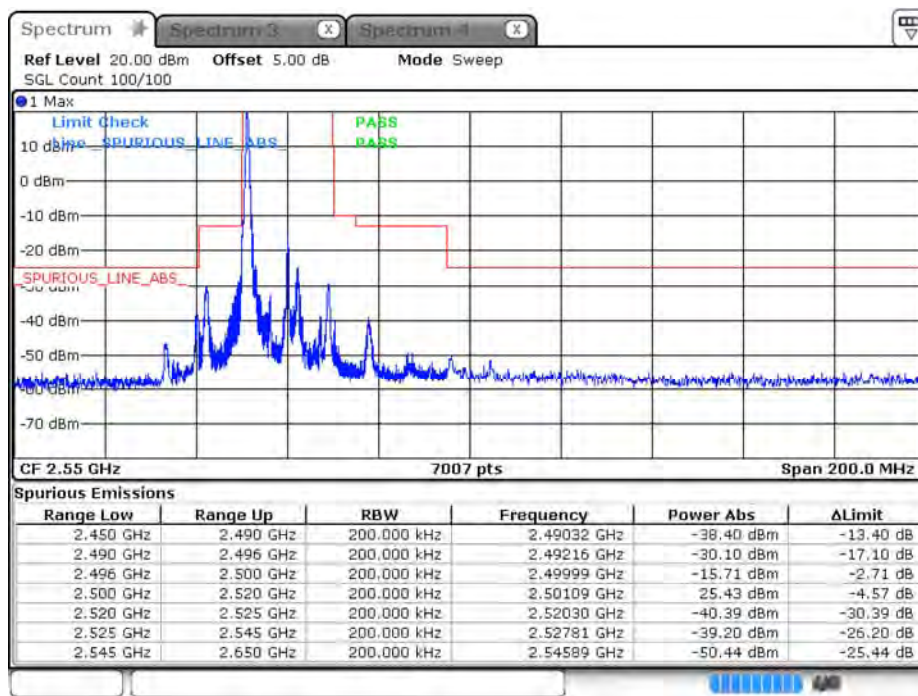


Date: 18 AUG 2018 04:43:16

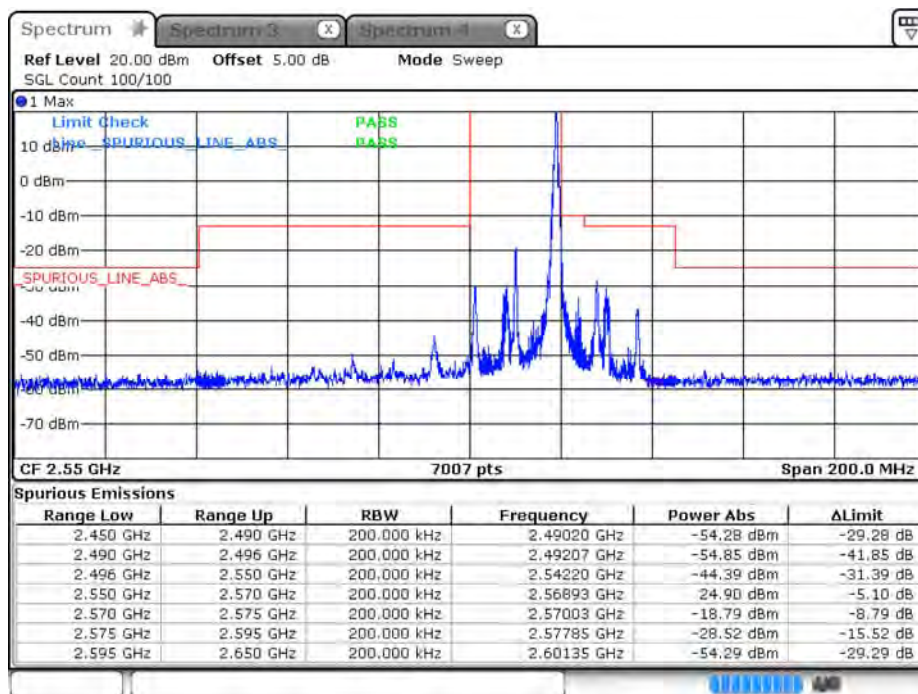
CH21350_20M_QPSK_1RB99



Date: 18 AUG 2018 04:51:21



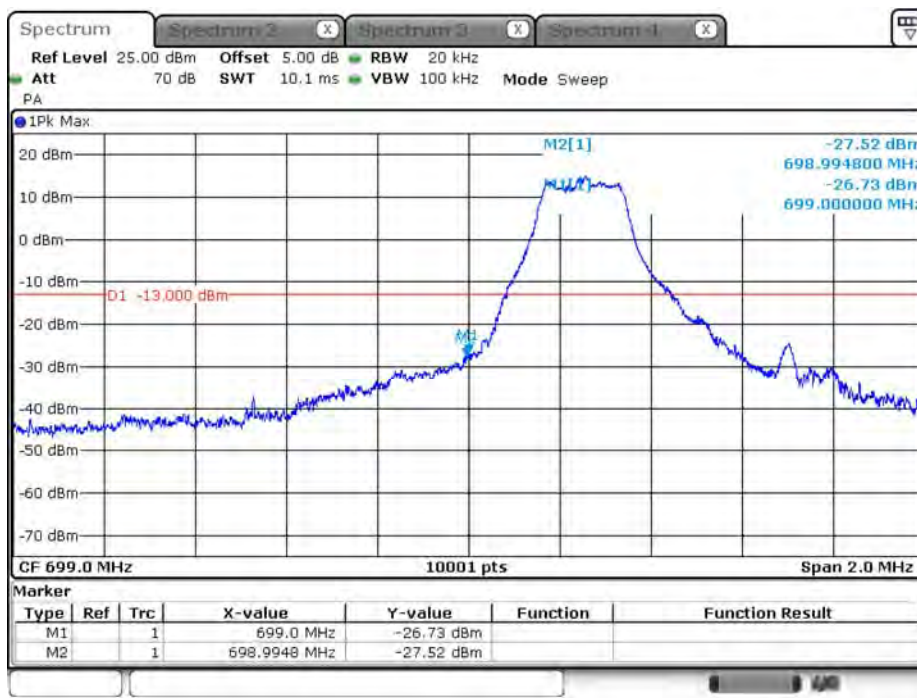
Date: 18 AUG 2018 04:42:36



Date: 18 AUG 2018 04:52:03

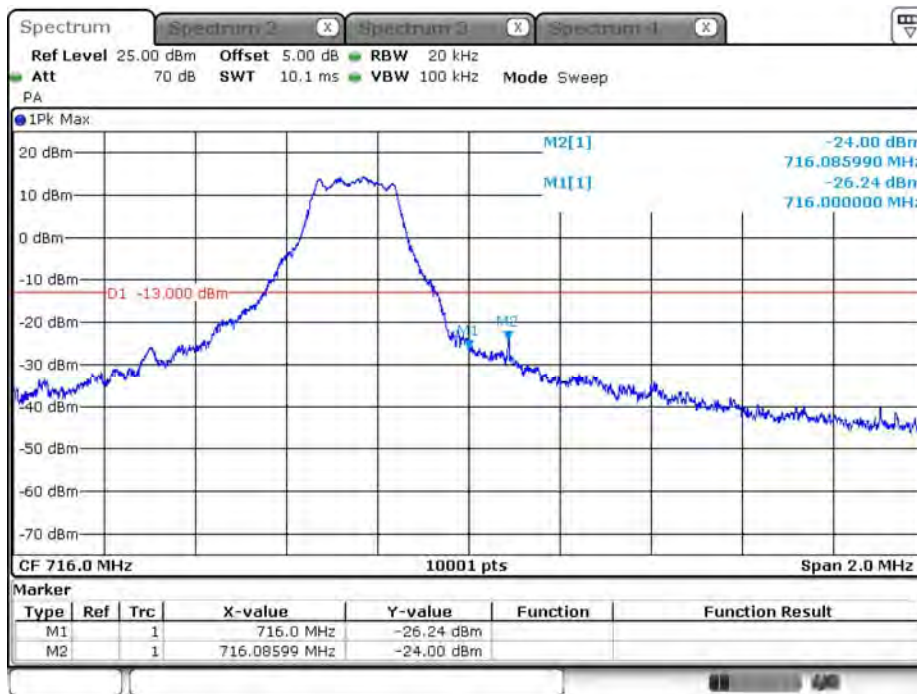


CH23017_1.4M_16-QAM_1RB0



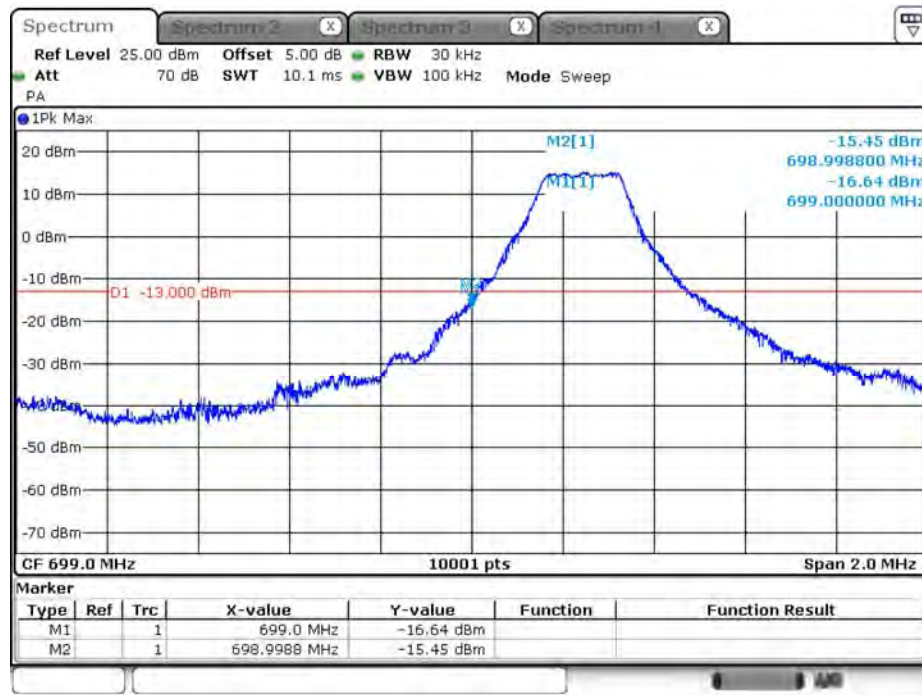
Date: 15 MAY 2018 14:03:45

CH23173_1.4M_16-QAM_1RB5



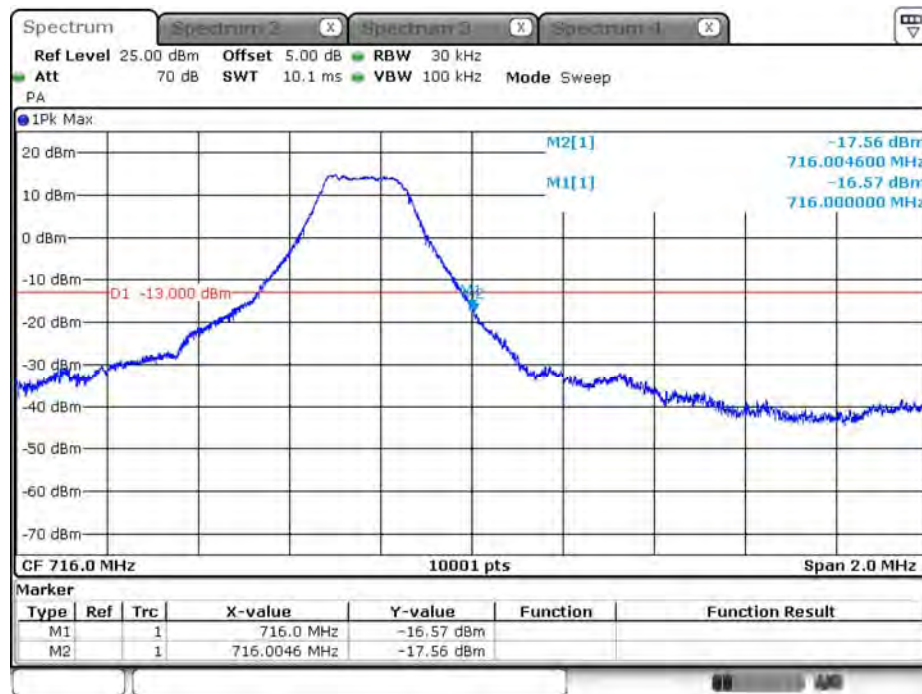
Date: 15 MAY 2018 14:05:21

CH23025_3M_QPSK_1RB0



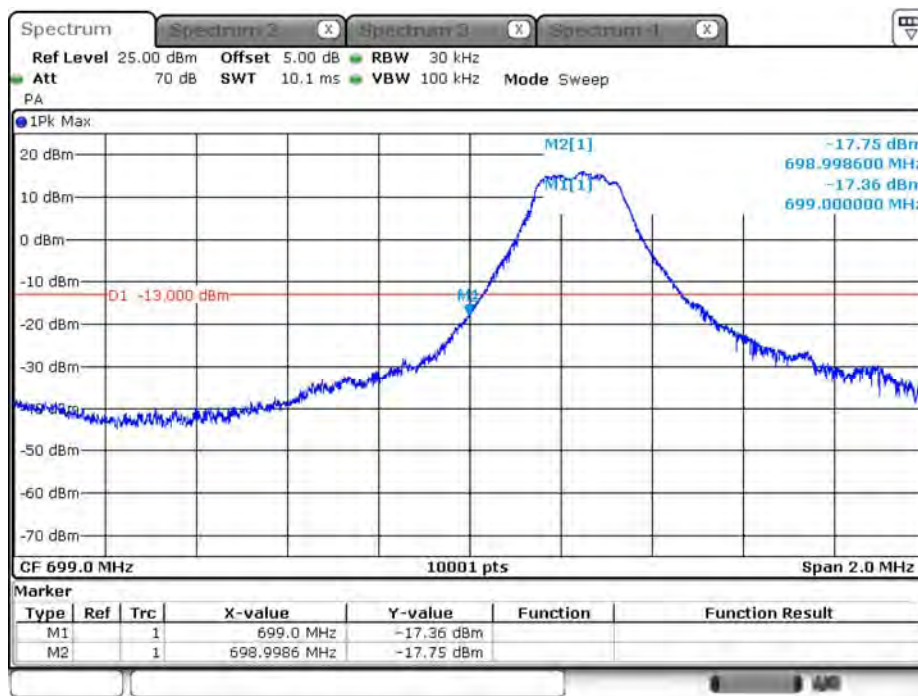
Date: 15 MAY 2018 14:35:06

CH23165_3M_QPSK_1RB14



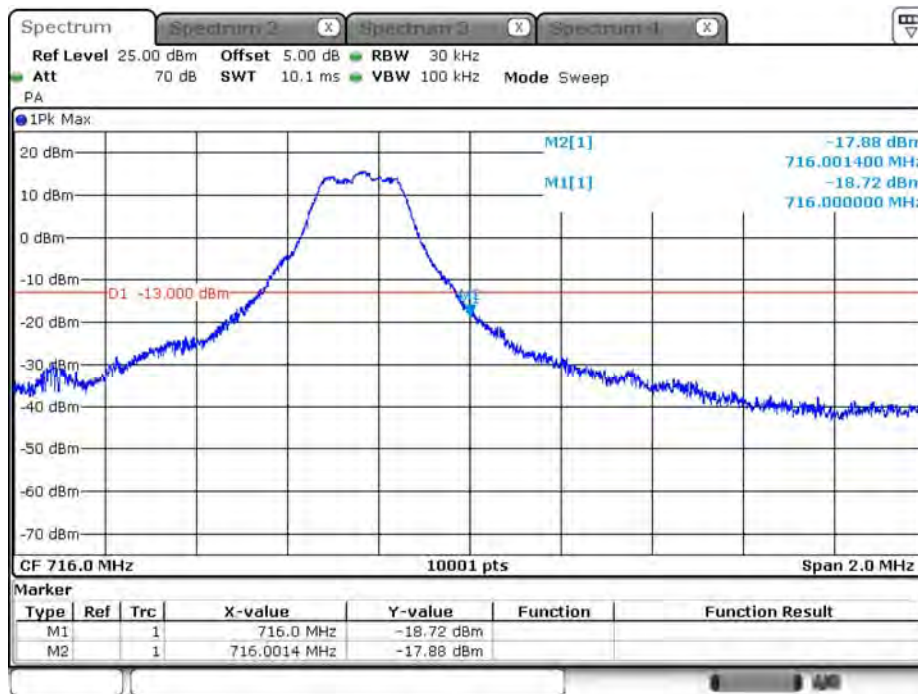
Date: 15 MAY 2018 14:39:46

CH23025_3M_16-QAM_1RB0



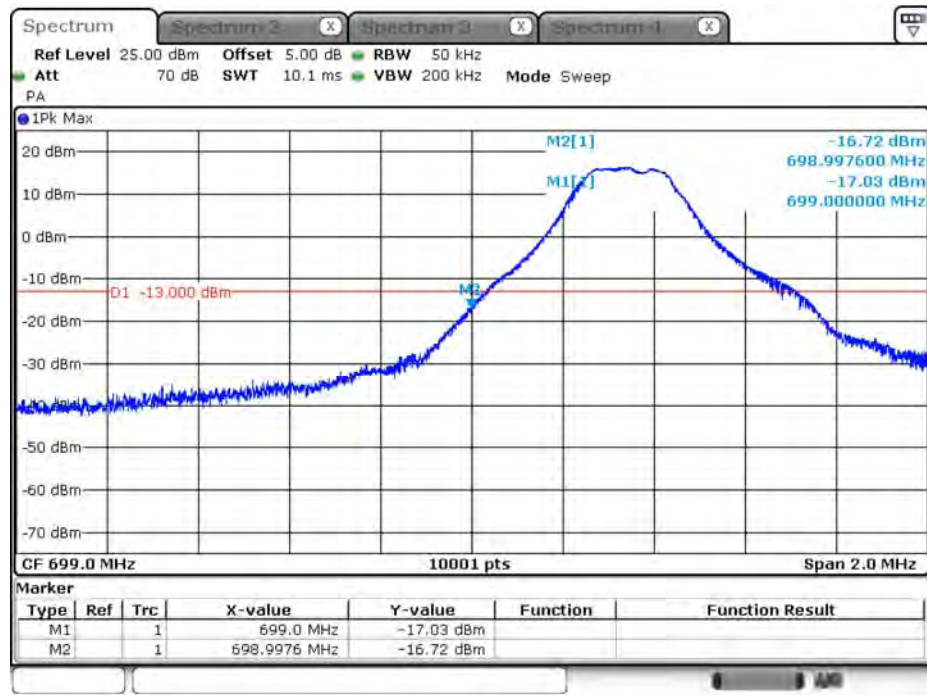
Date: 15 MAY 2018 14:37:02

CH23165_3M_16-QAM_1RB14



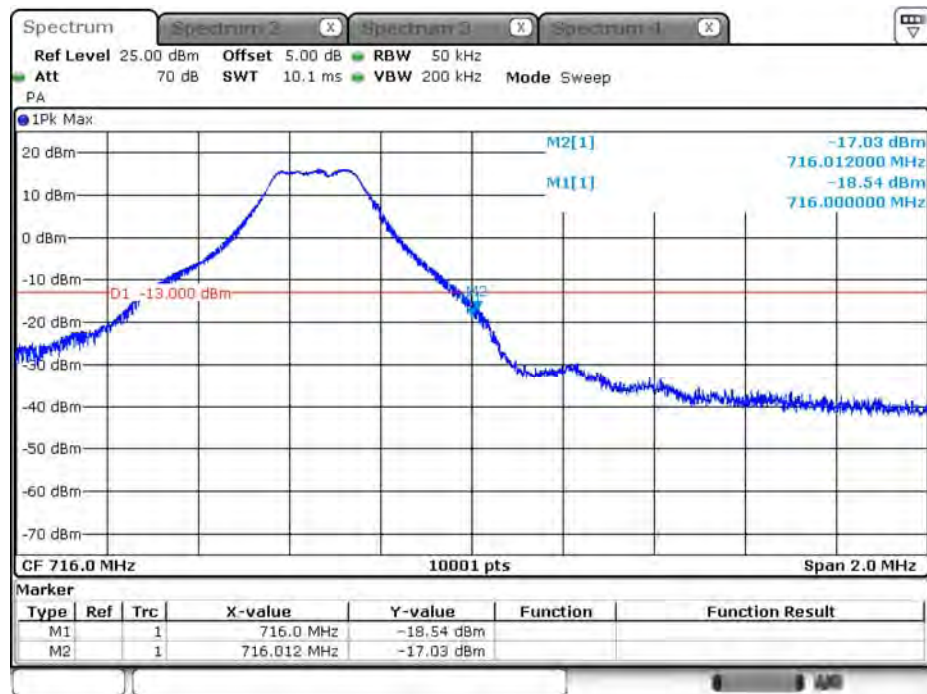
Date: 15 MAY 2018 14:38:36

CH23035_5M_QPSK_1RB0



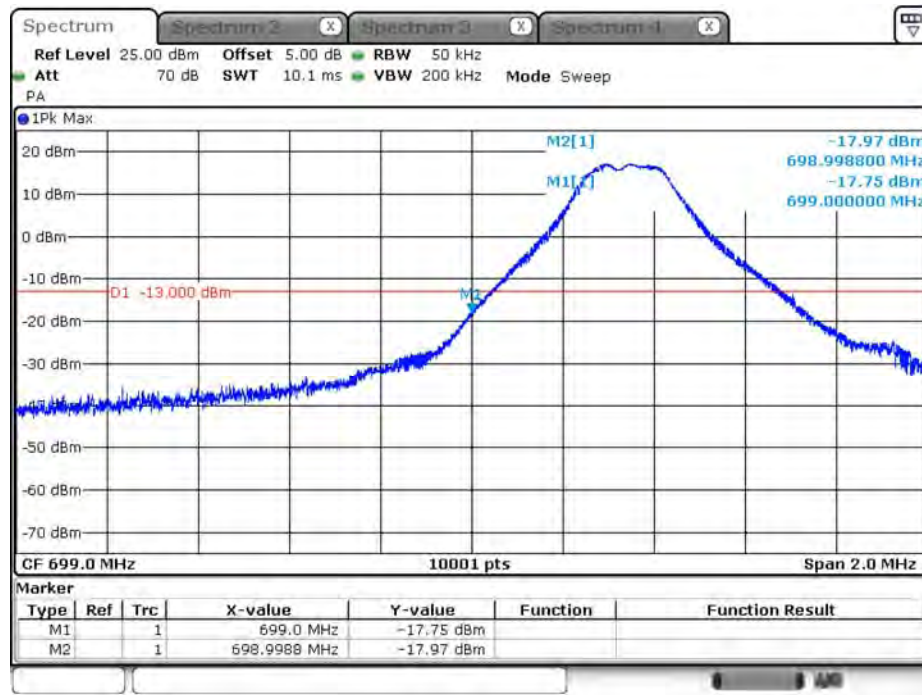
Date: 15 MAY 2018 14:54:29

CH23155_5M_QPSK_1RB24



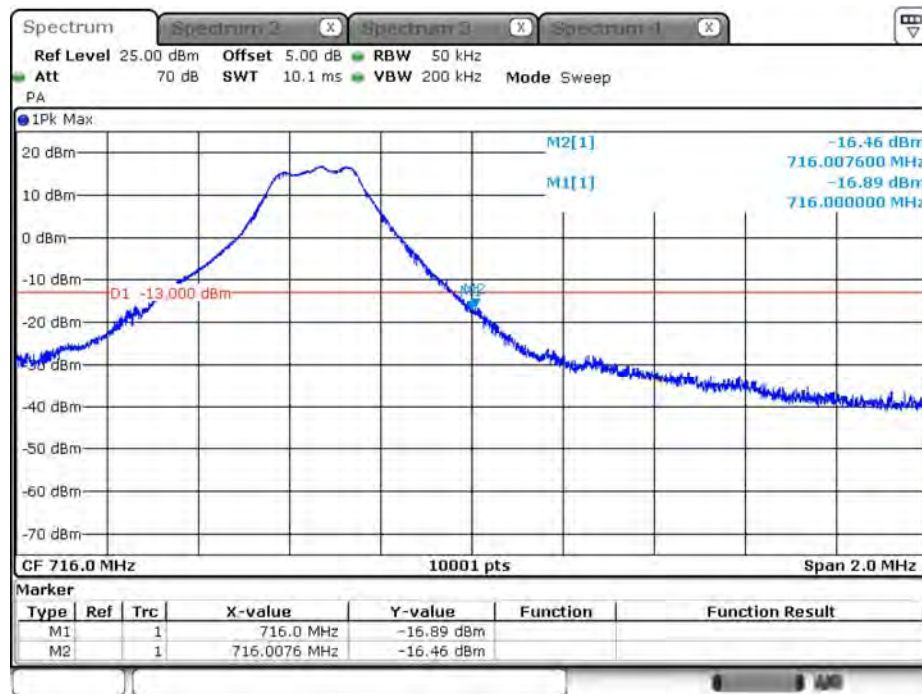
Date: 15 MAY 2018 14:59:35

CH23035_5M_16-QAM_1RB0



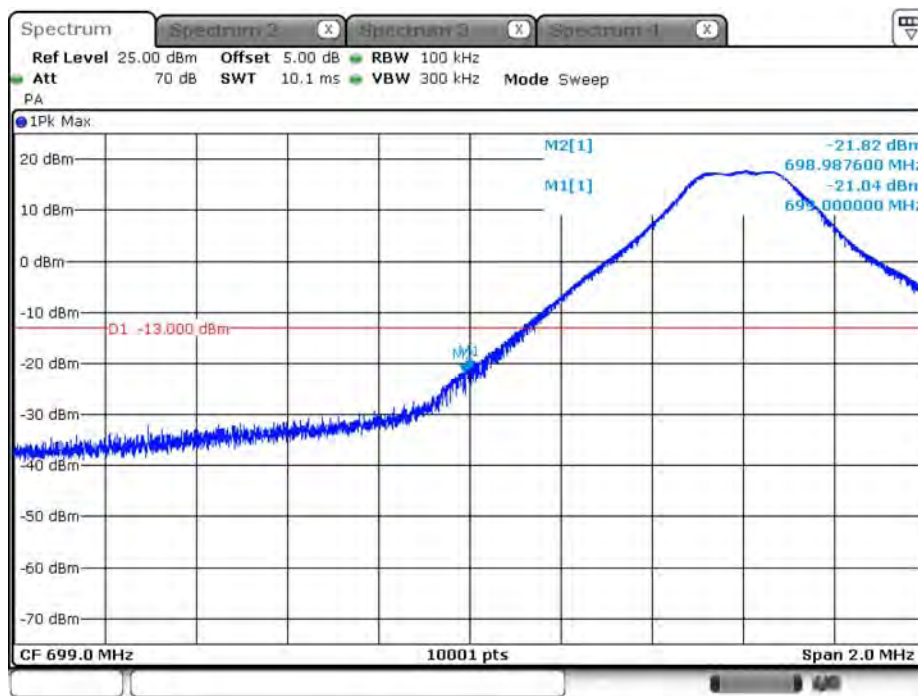
Date: 15 MAY 2018 14:56:23

CH23155_5M_16-QAM_1RB24



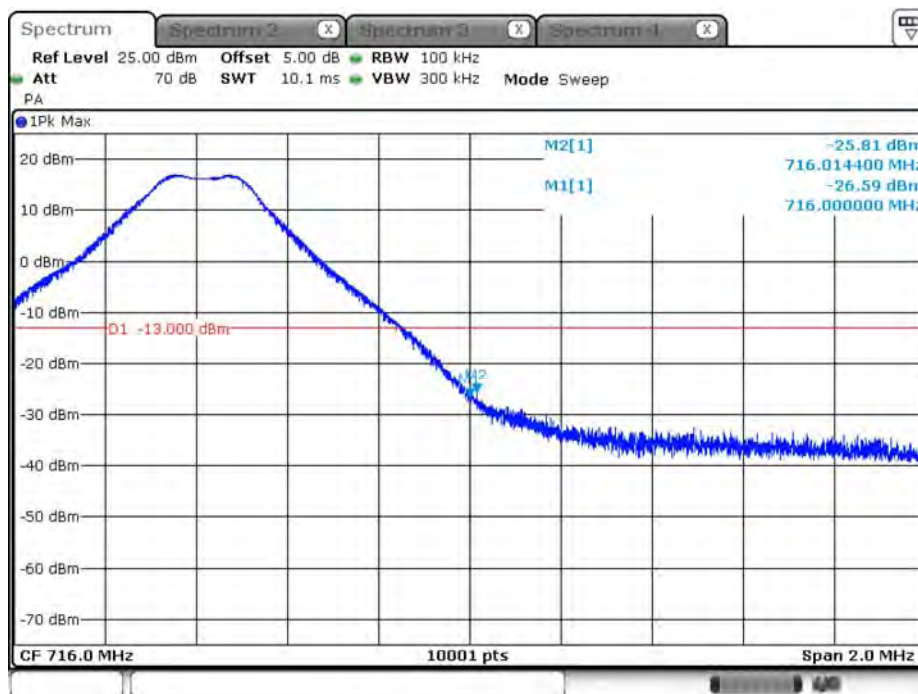
Date: 15 MAY 2018 14:58:13

CH23060_10M_QPSK_1RB0



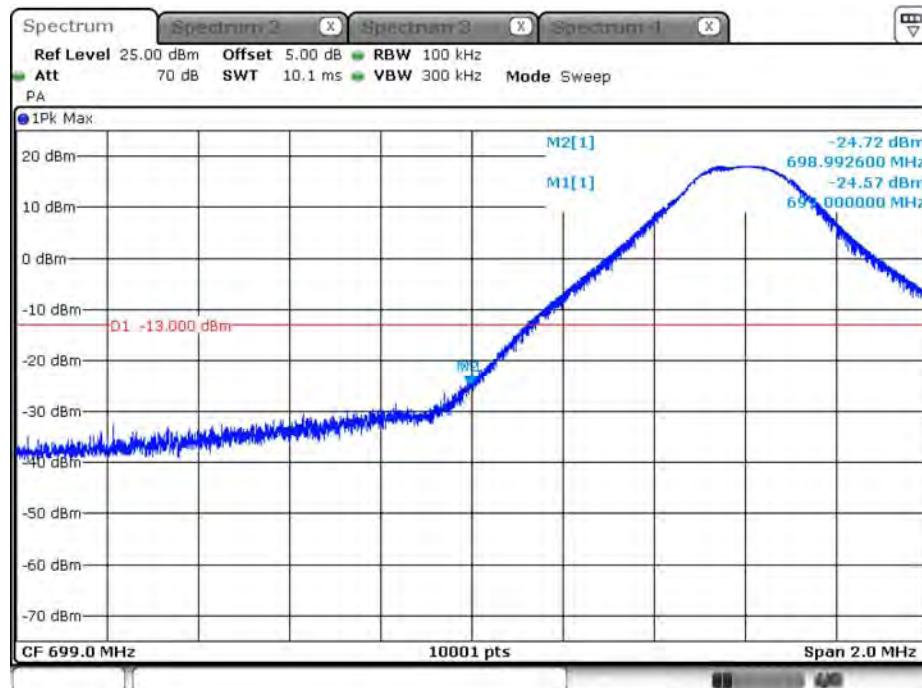
Date: 15 MAY 2018 15:09:22

CH23130_10M_QPSK_1RB49



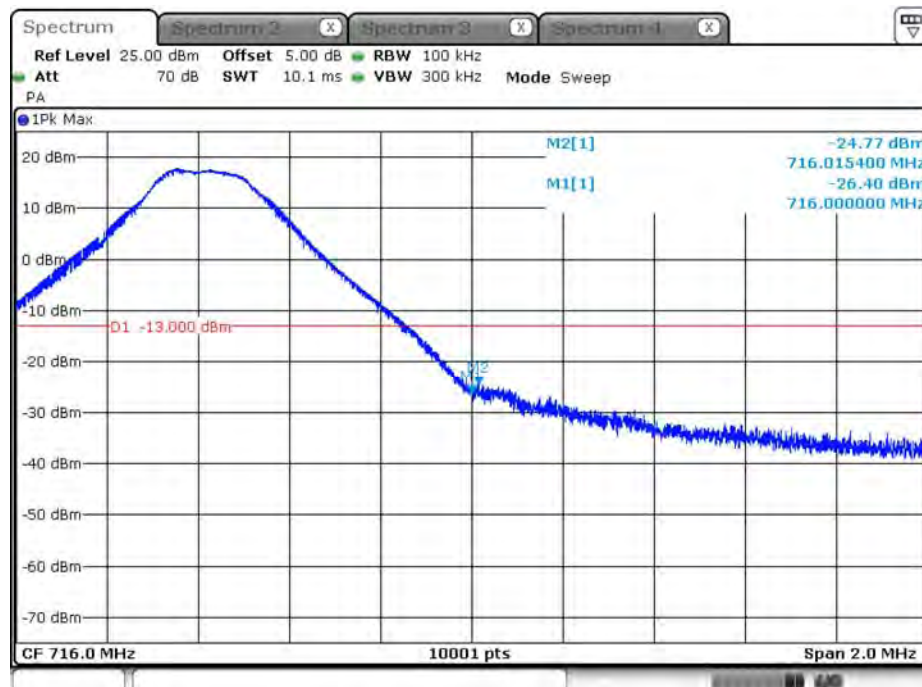
Date: 15 MAY 2018 15:12:59

CH23060_10M_16-QAM_1RB0



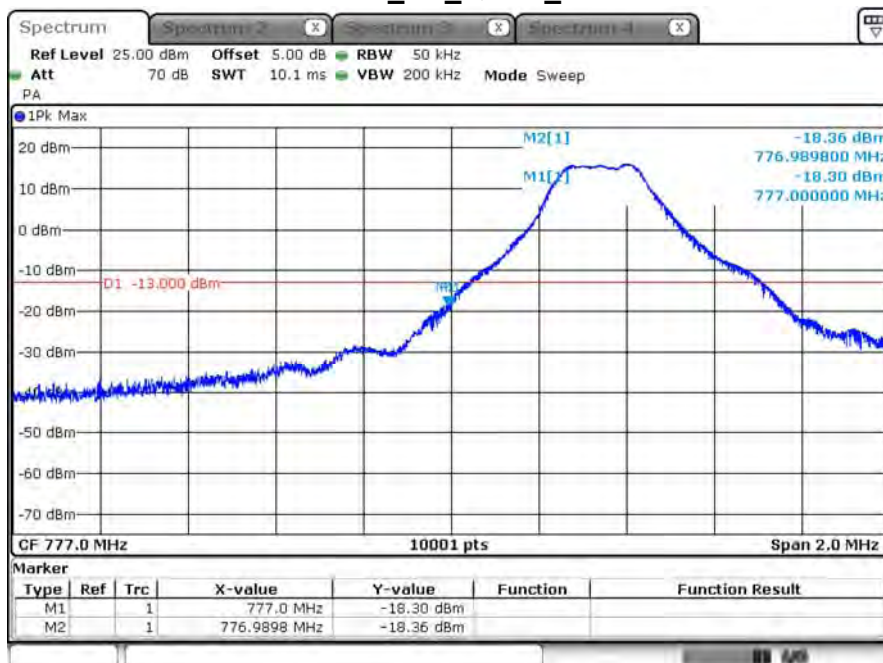
Date: 15 MAY 2018 15:10:42

CH23130_10M_16-QAM_1RB49

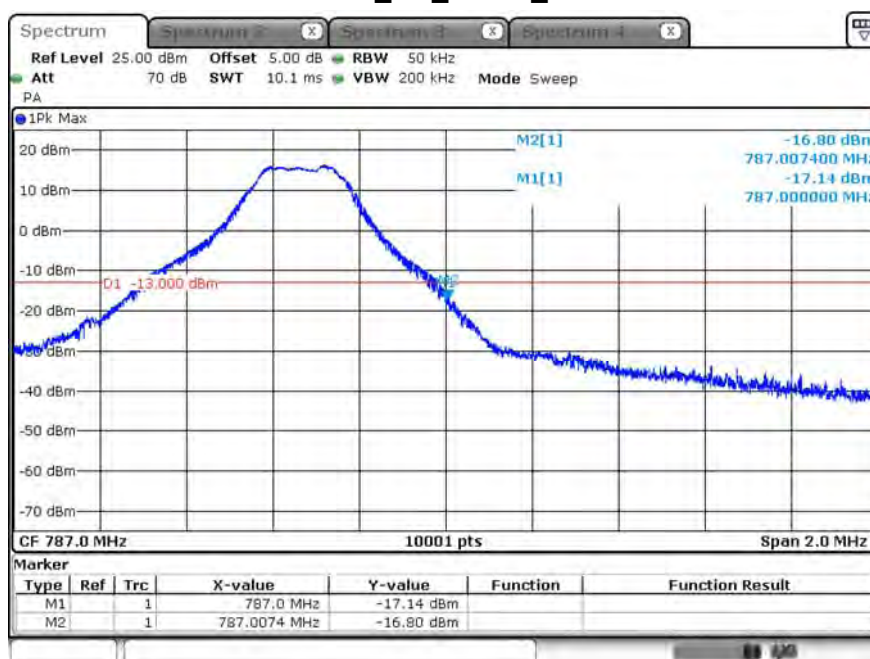


Date: 15 MAY 2018 15:12:11

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 6: LTE Band 13		
Date of Test	2018/05/15	Test Site	SR10-H

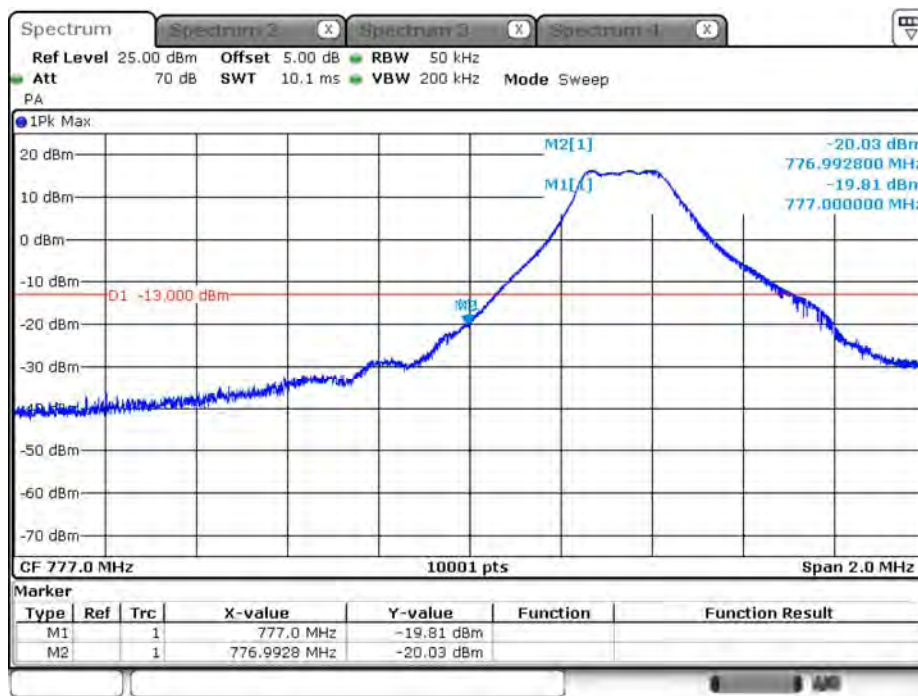
CH23205_5M_QPSK_1RB0

Date: 15 MAY 2018 15:29:11

CH23255_5M_QPSK_1RB24

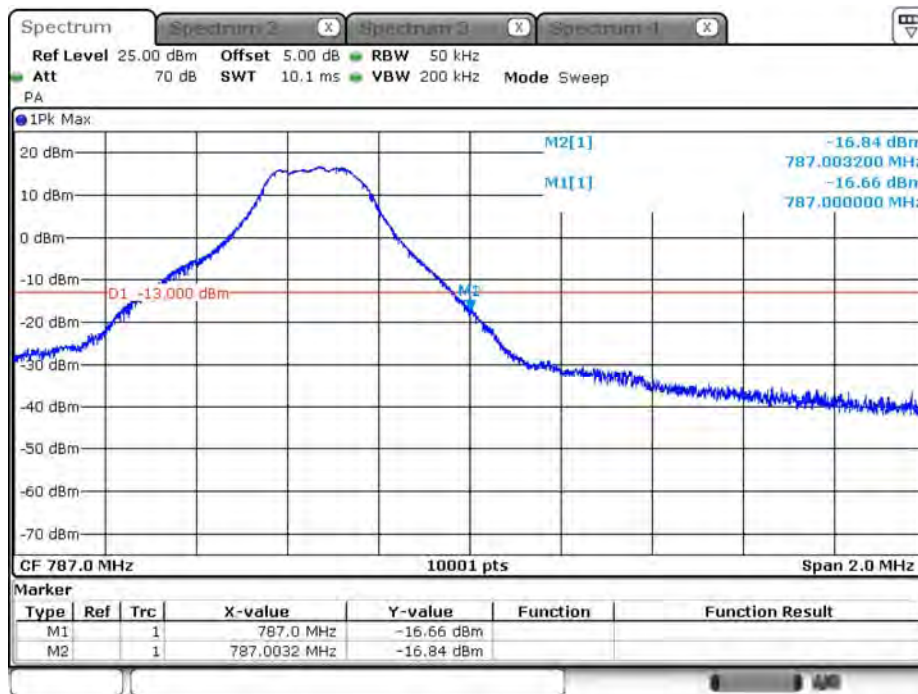
Date: 15 MAY 2018 15:34:28

CH23205_5M_16-QAM_1RB0



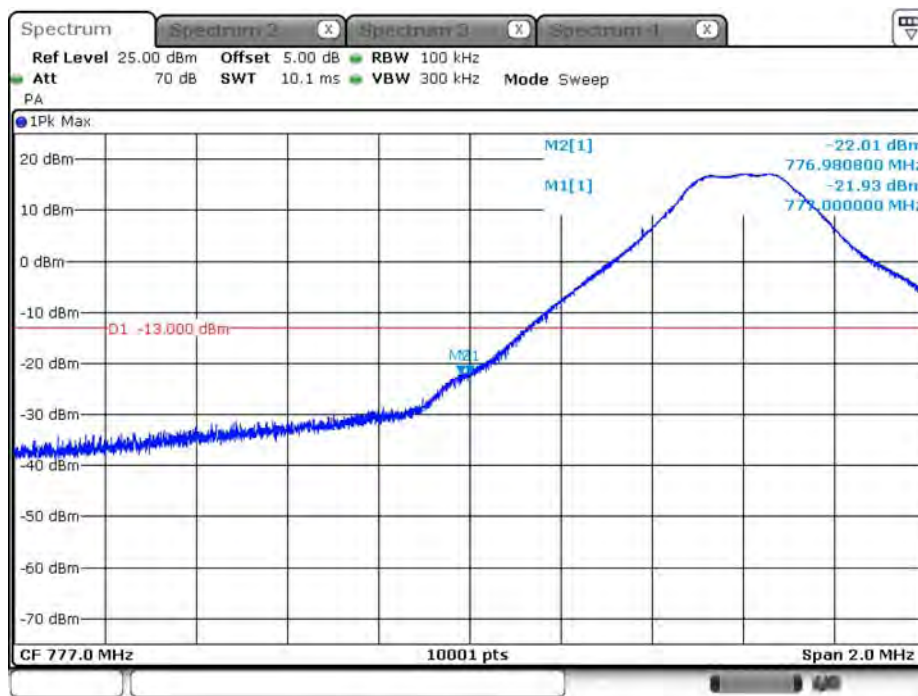
Date: 15 MAY 2018 15:30:48

CH23255_5M_16-QAM_1RB24



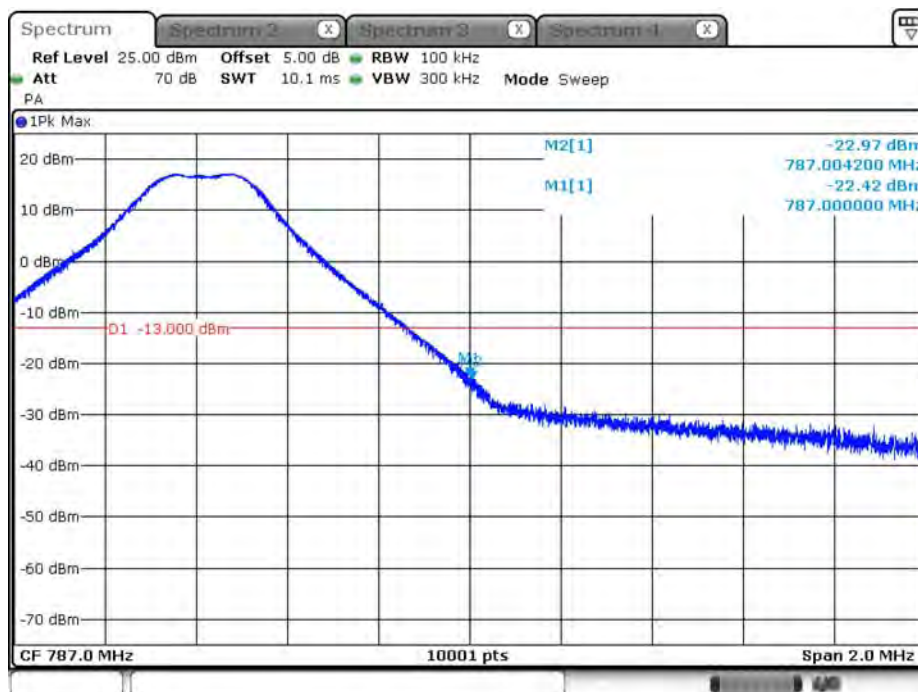
Date: 15 MAY 2018 15:33:38

CH23230_10M_QPSK_1RB0



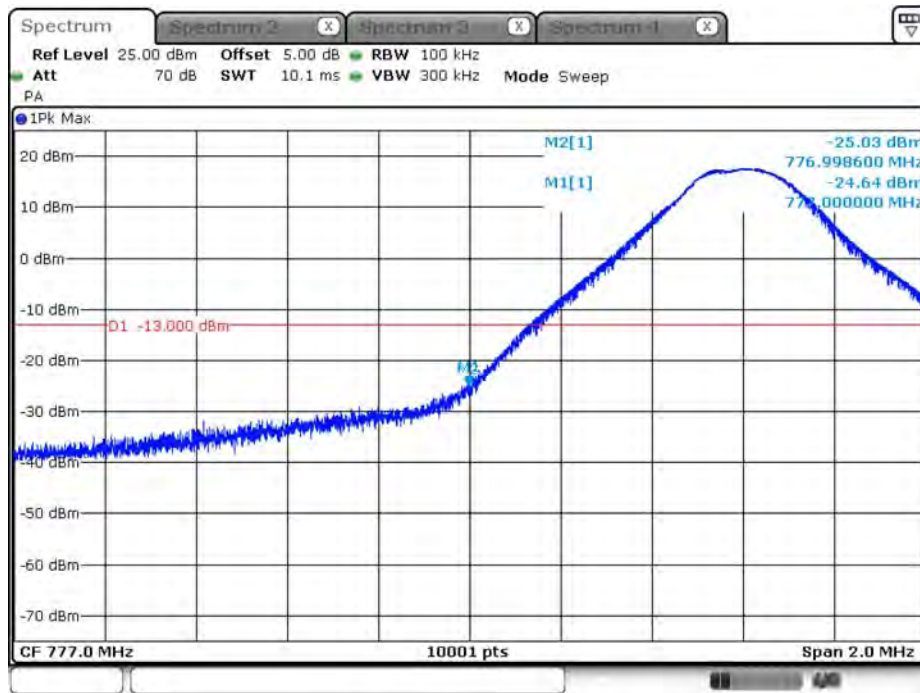
Date: 15 MAY 2018 15:47:01

CH23230_10M_QPSK_1RB49



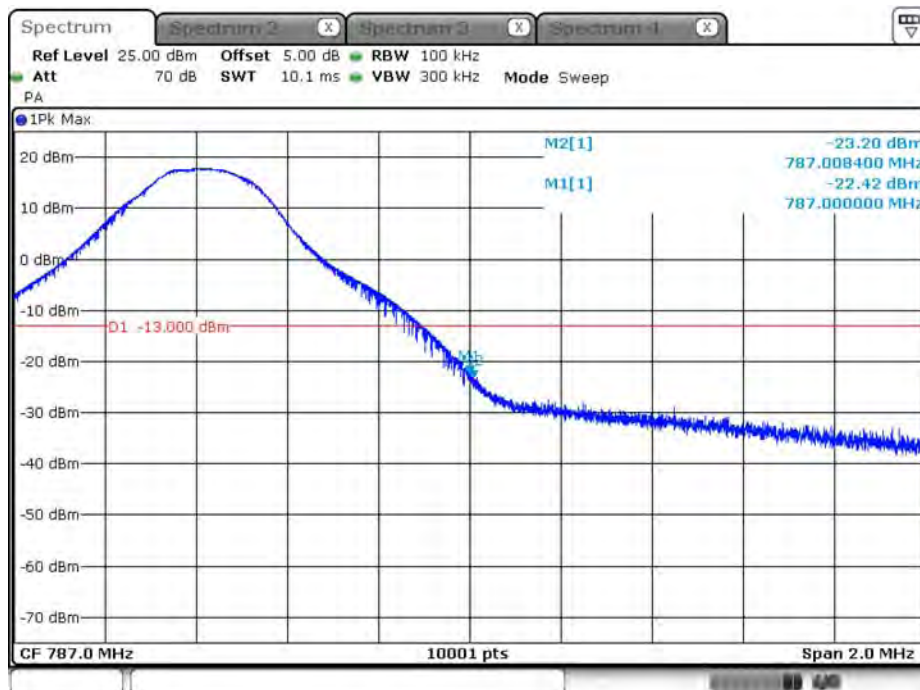
Date: 15 MAY 2018 15:52:47

CH23230_10M_16-QAM_1RB0



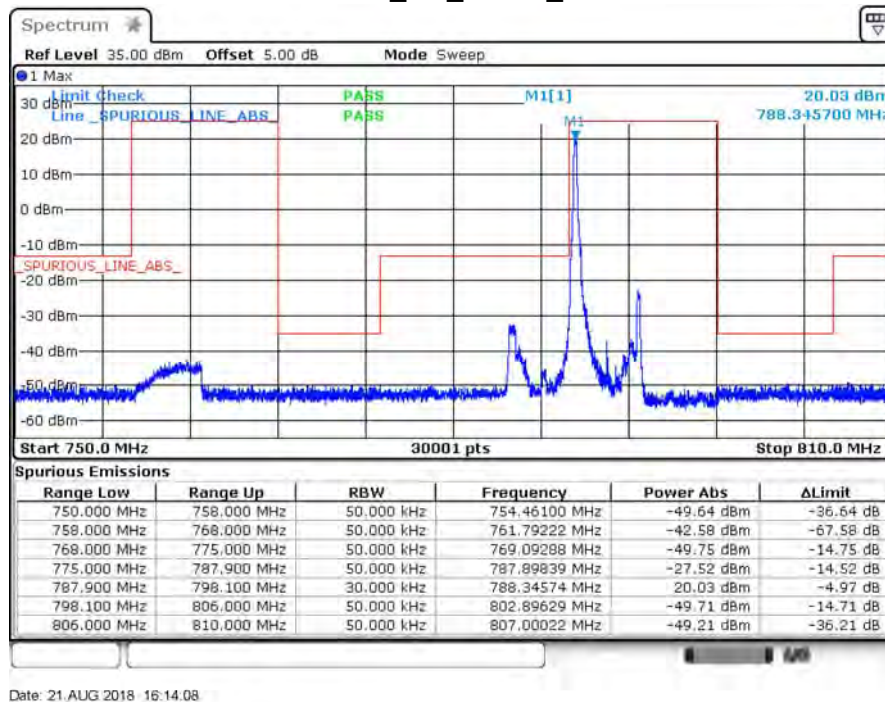
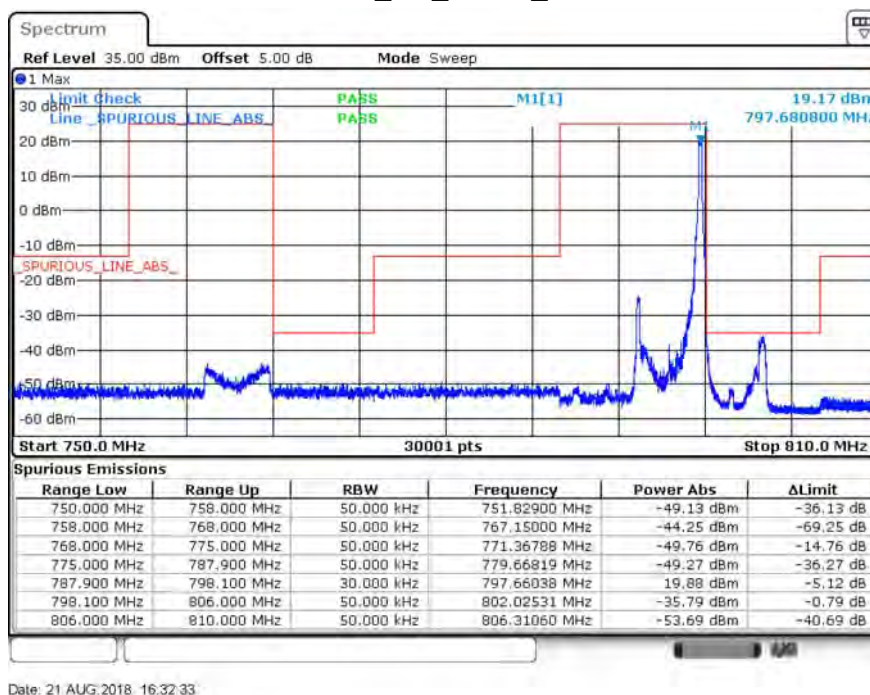
Date: 15 MAY 2018 15:48:59

CH23230_10M_16-QAM_1RB49

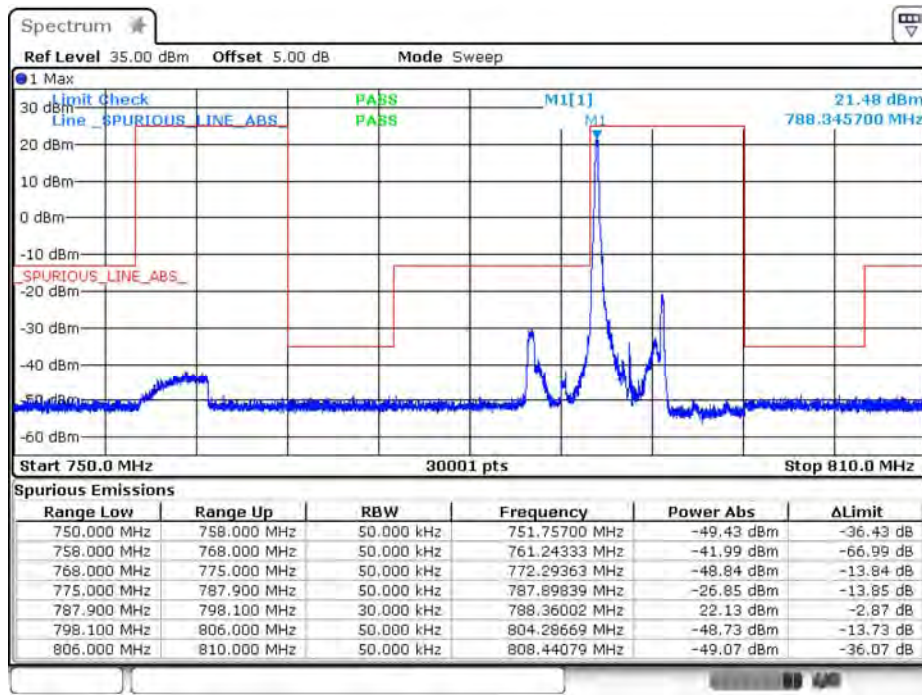


Date: 15 MAY 2018 15:51:31

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 7: LTE Band 14		
Date of Test	2018/08/21	Test Site	SR10-H

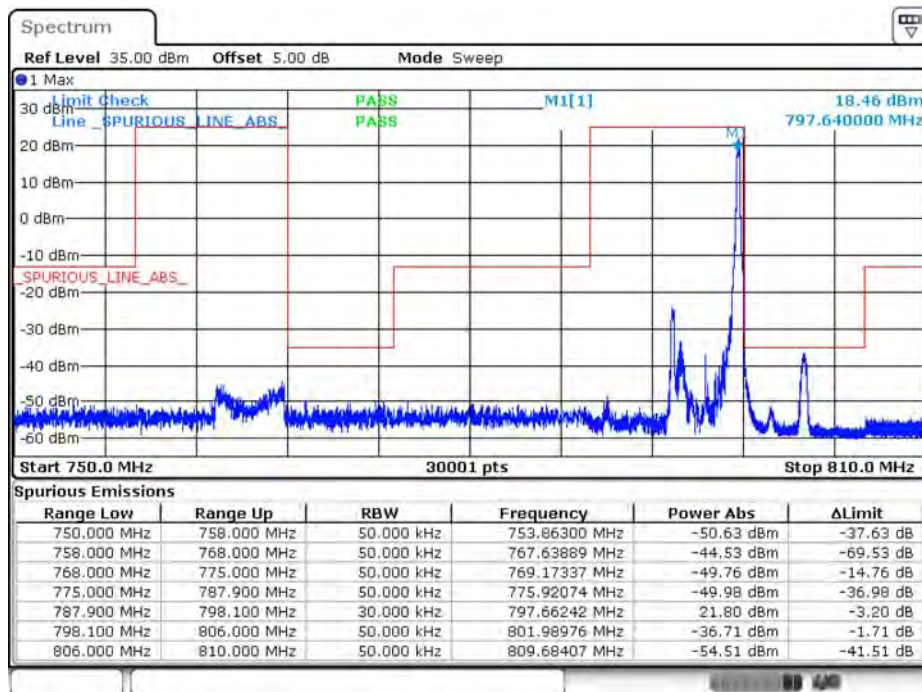
CH23305_5M_QPSK_1RB0**CH23355_5M_QPSK_1RB24**

CH23305_5M_16-QAM_1RB0



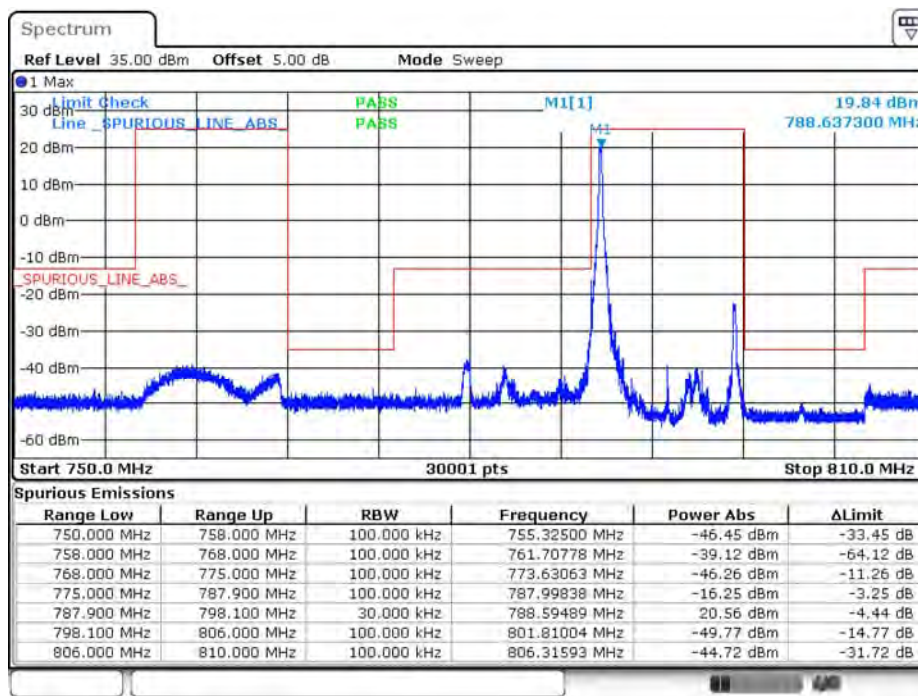
Date: 21.AUG.2018 16:15:30

CH23355_5M_16-QAM_1RB24



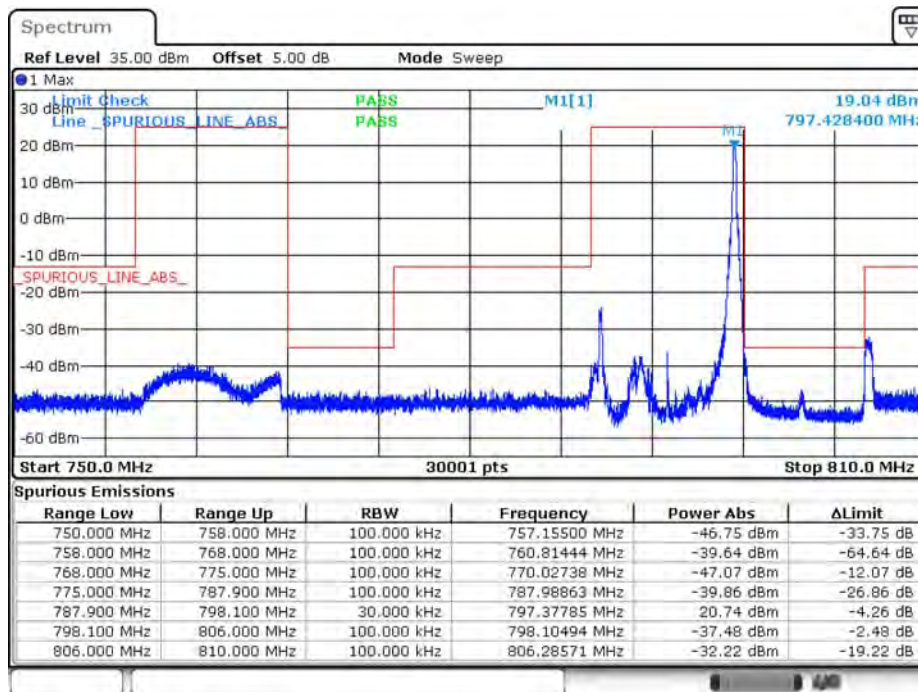
Date: 21.AUG.2018 16:25:44

CH23330_10M_QPSK_1RB0



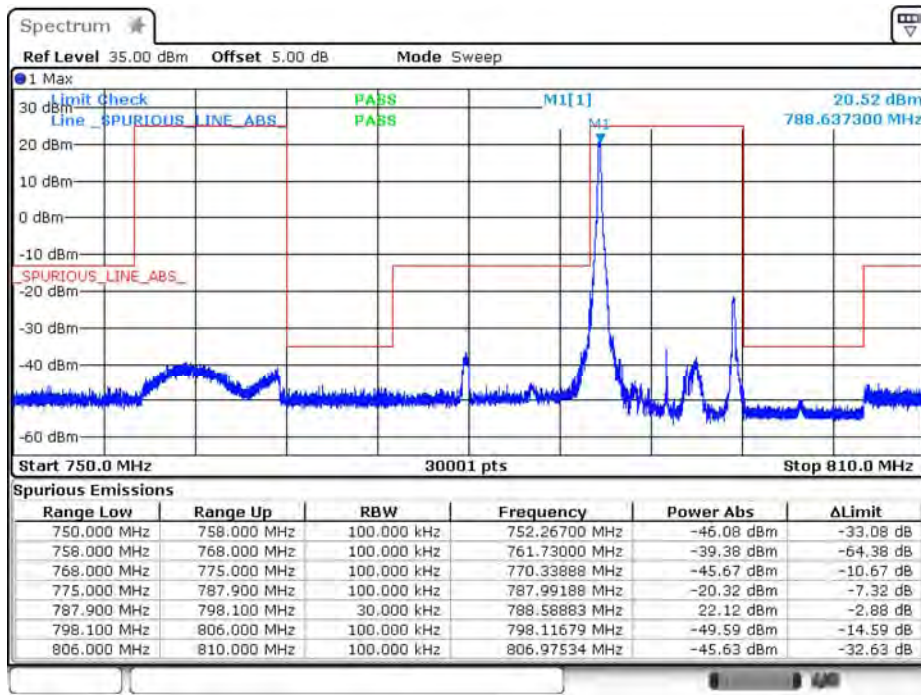
Date: 21.AUG.2018 16:06:34

CH23330_10M_QPSK_1RB49



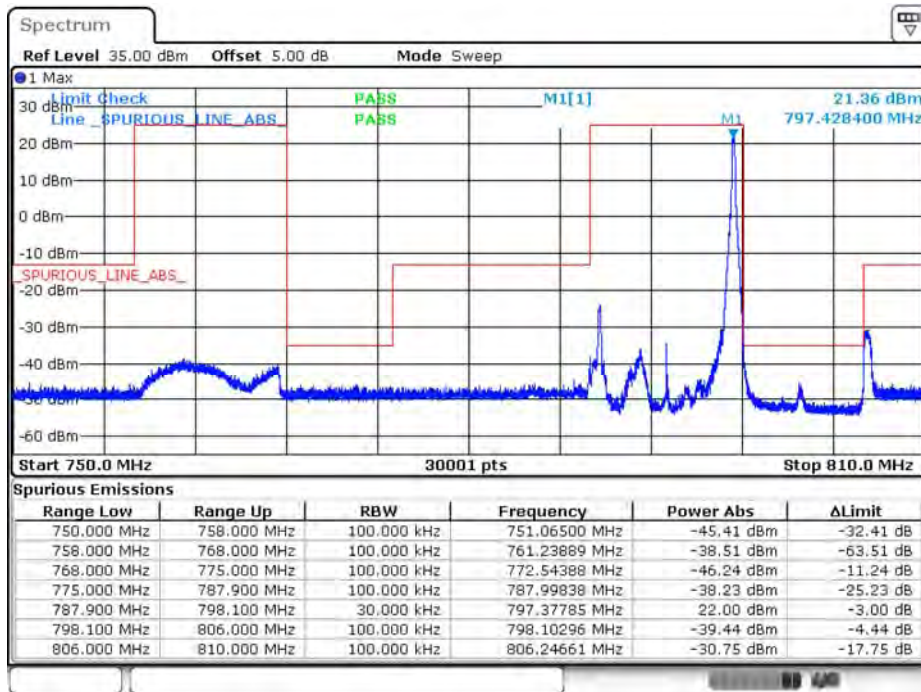
Date: 21.AUG.2018 15:57:54

CH23330_10M_16-QAM_1RB0



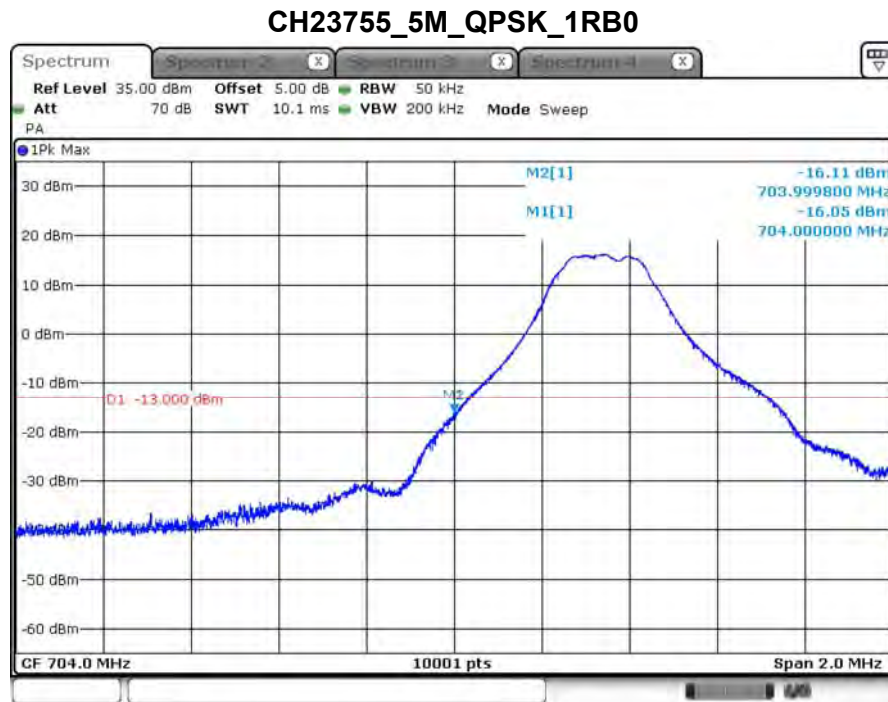
Date: 21.AUG.2018 16:05:12

CH23330_10M_16-QAM_1RB49

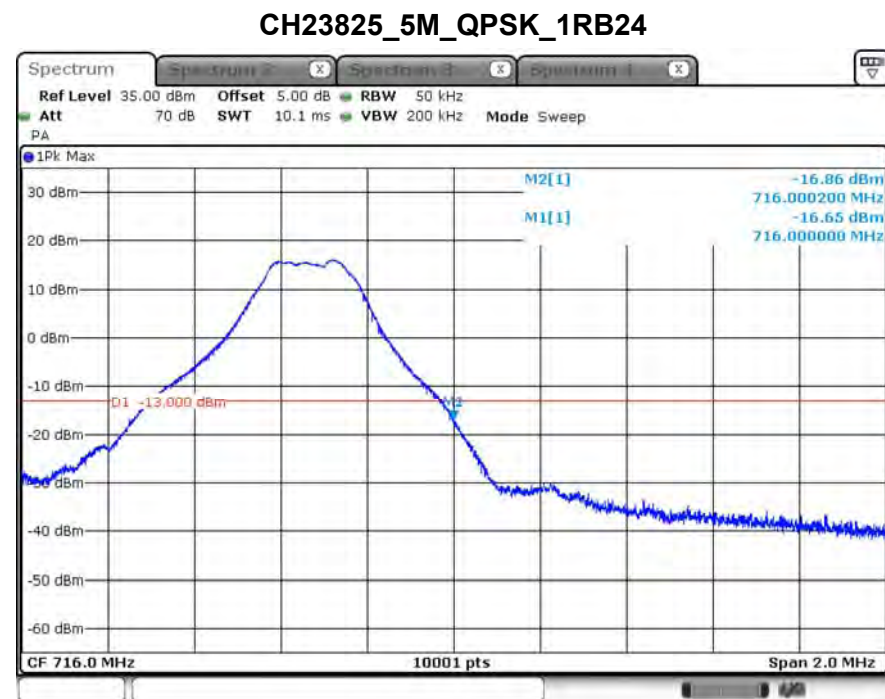


Date: 21.AUG.2018 16:03:15

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 8: LTE Band 17		
Date of Test	2018/05/17	Test Site	SR10-H

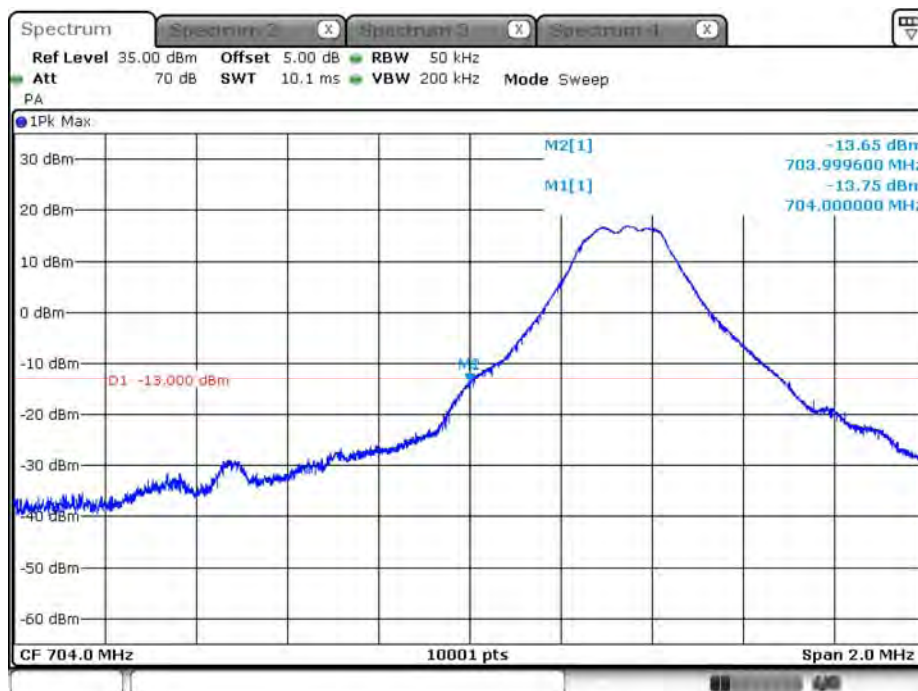


Date: 17 MAY 2018 15:34:28



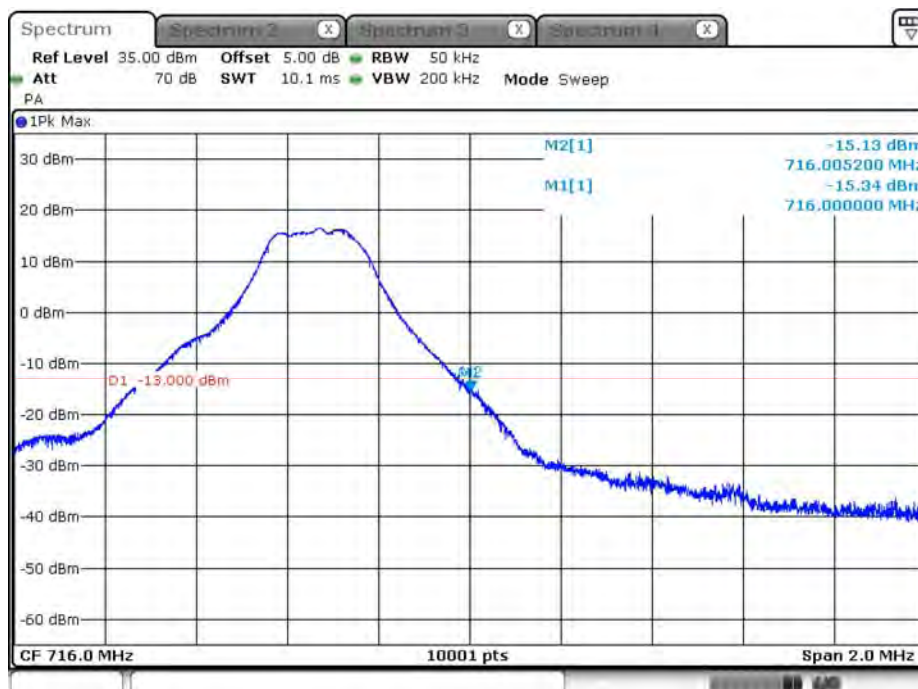
Date: 17 MAY 2018 15:32:31

CH23755_5M_16-QAM_1RB0



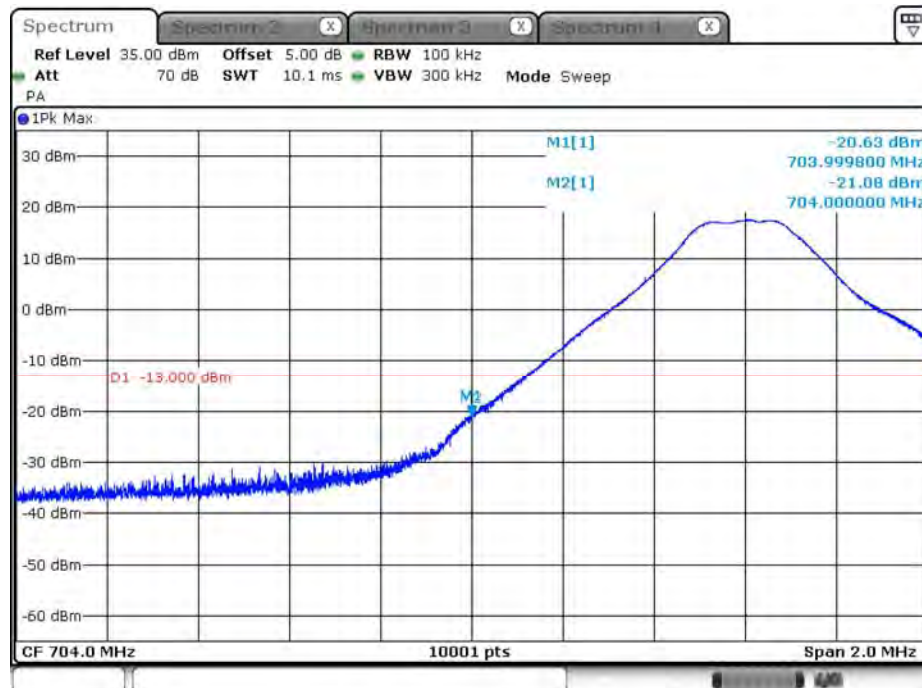
Date: 17.MAY.2018 15:36:29

CH23825_5M_16-QAM_1RB24



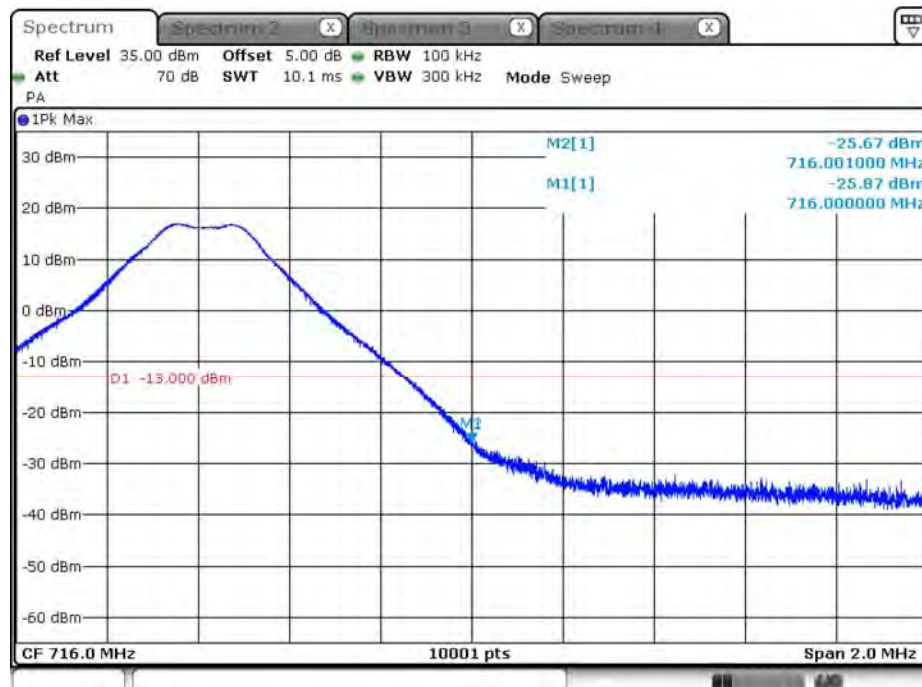
Date: 17.MAY.2018 15:30:56

CH23780_10M_QPSK_1RB0



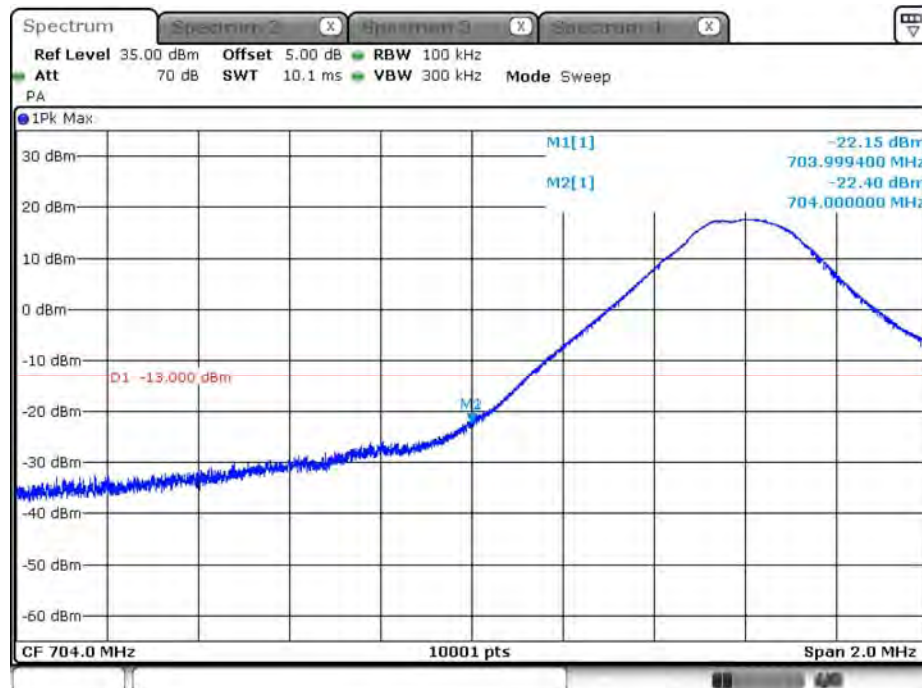
Date: 17.MAY.2018 15:41:45

CH23800_10M_QPSK_1RB49



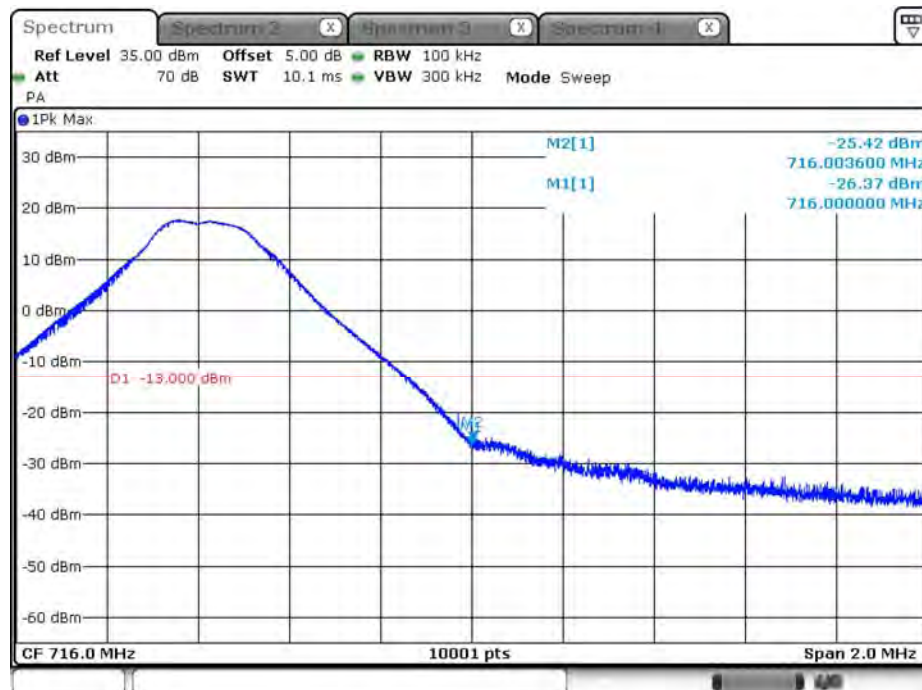
Date: 17.MAY.2018 15:47:17

CH23780_10M_16-QAM_1RB0



Date: 17.MAY.2018 15:44:31

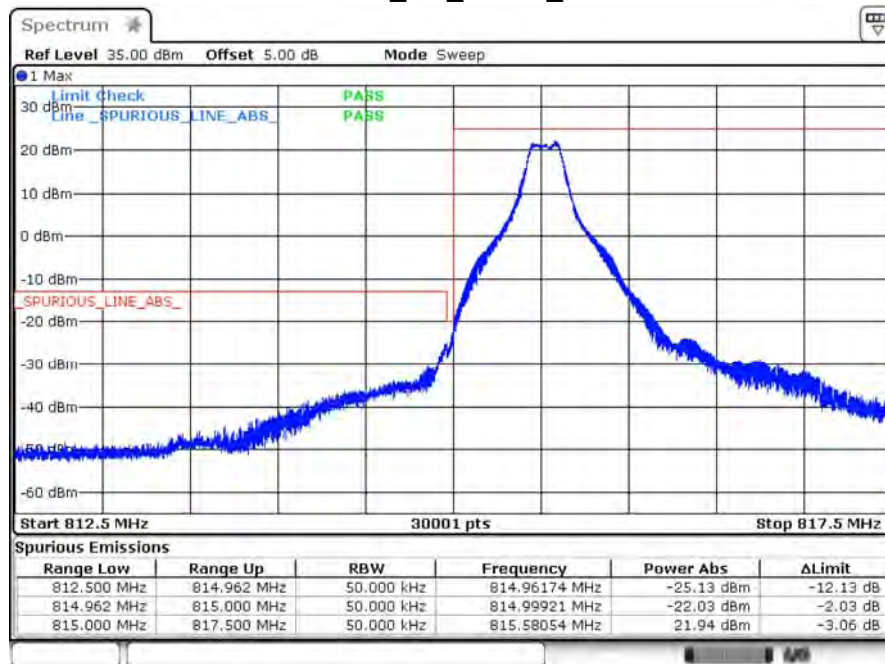
CH23800_10M_16-QAM_1RB49



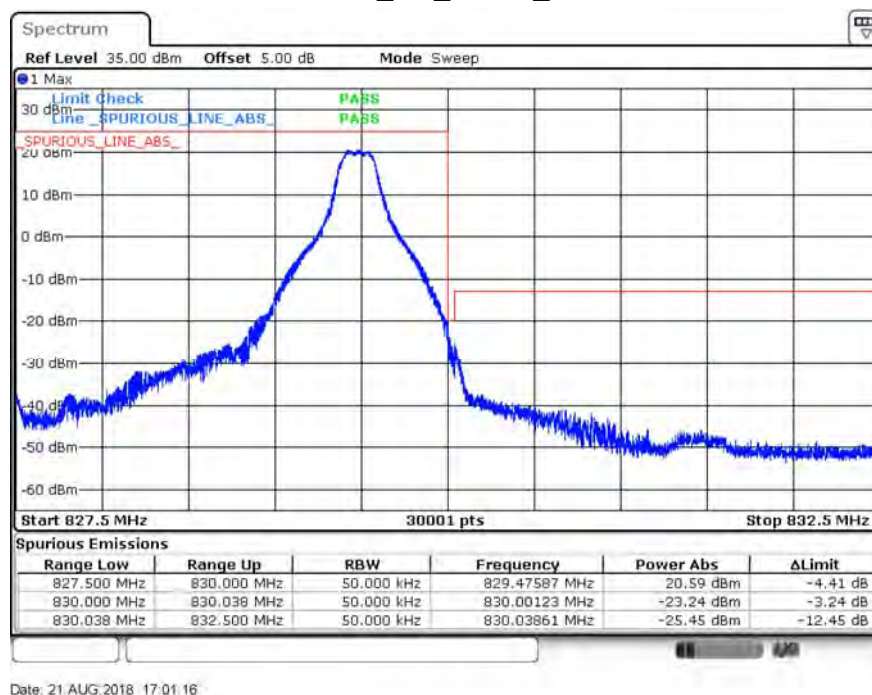
Date: 17.MAY.2018 15:49:04

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 9: LTE Band 18		
Date of Test	2018/08/21	Test Site	SR10-H

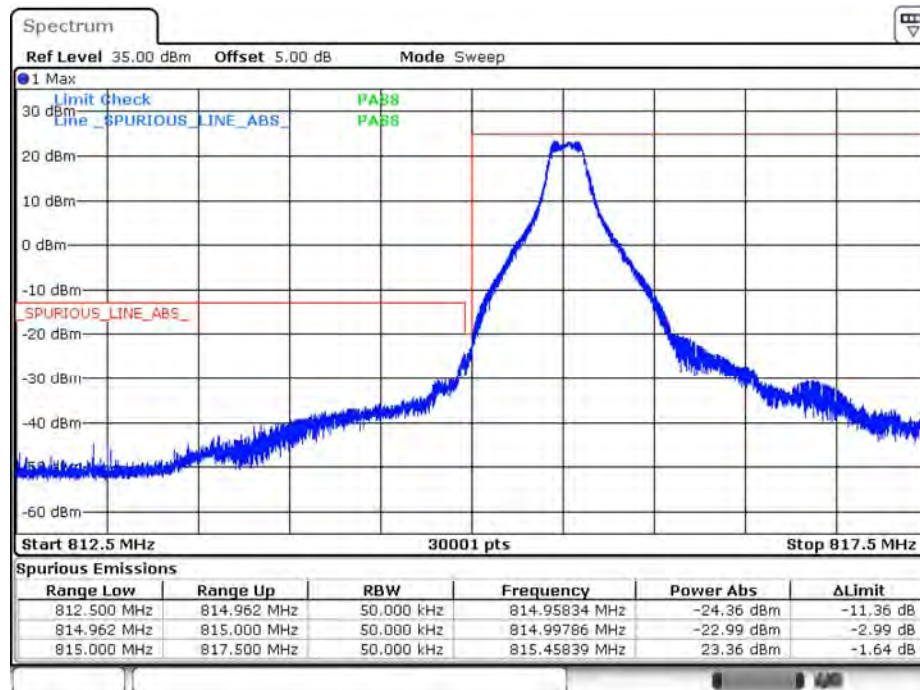
CH23875_5M_QPSK_1RB0



CH23975_5M_QPSK_1RB24

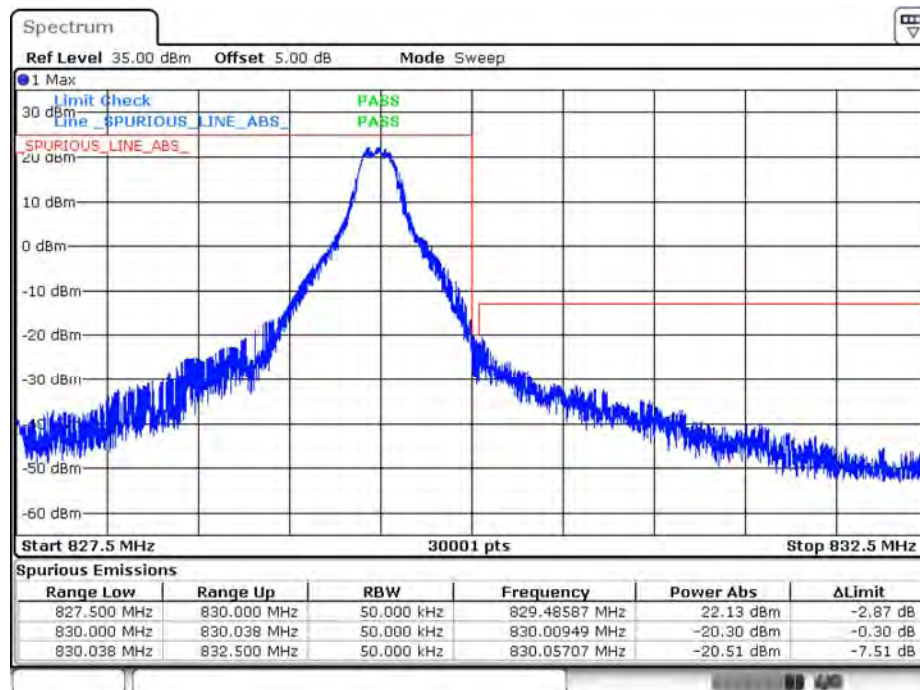


CH23875_5M_16-QAM_1RB0



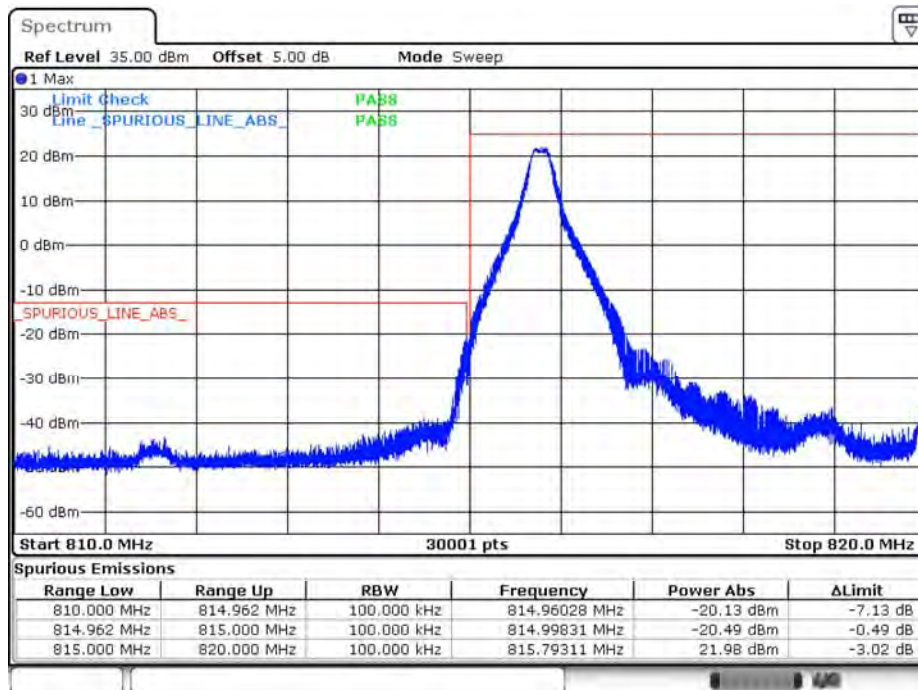
Date: 21.AUG.2018 16:45:32

CH23975_5M_16-QAM_1RB24



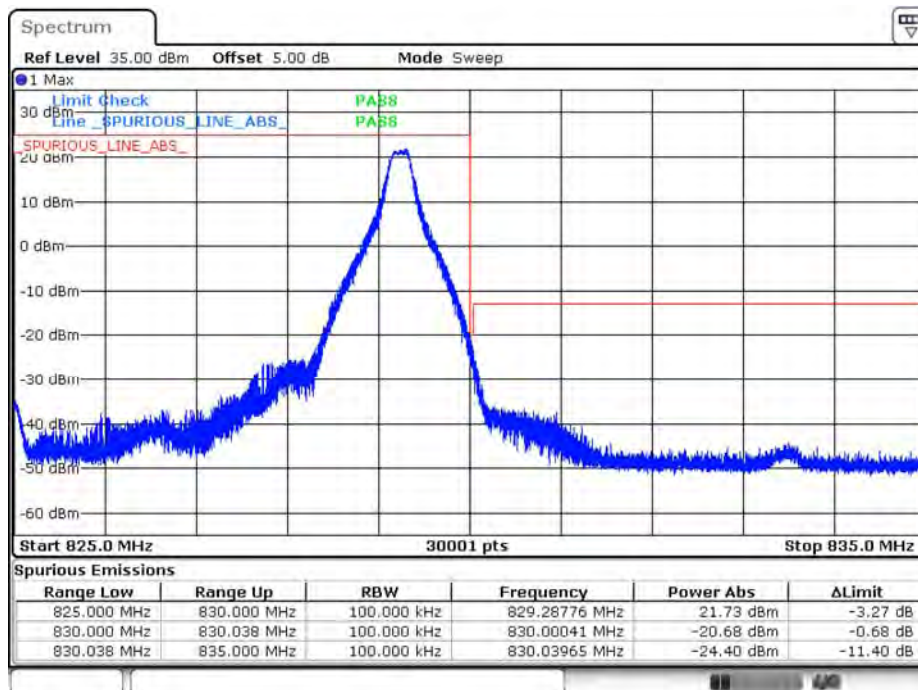
Date: 21.AUG.2018 16:59:50

CH23900_10M_QPSK_1RB0



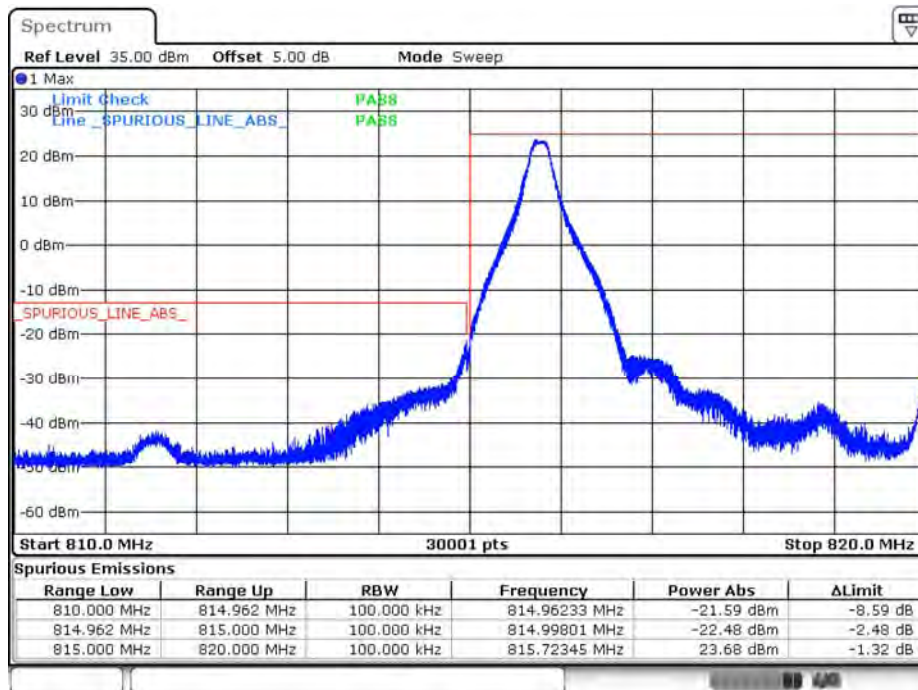
Date: 21.AUG.2018 17:05:42

CH23950_10M_QPSK_1RB49



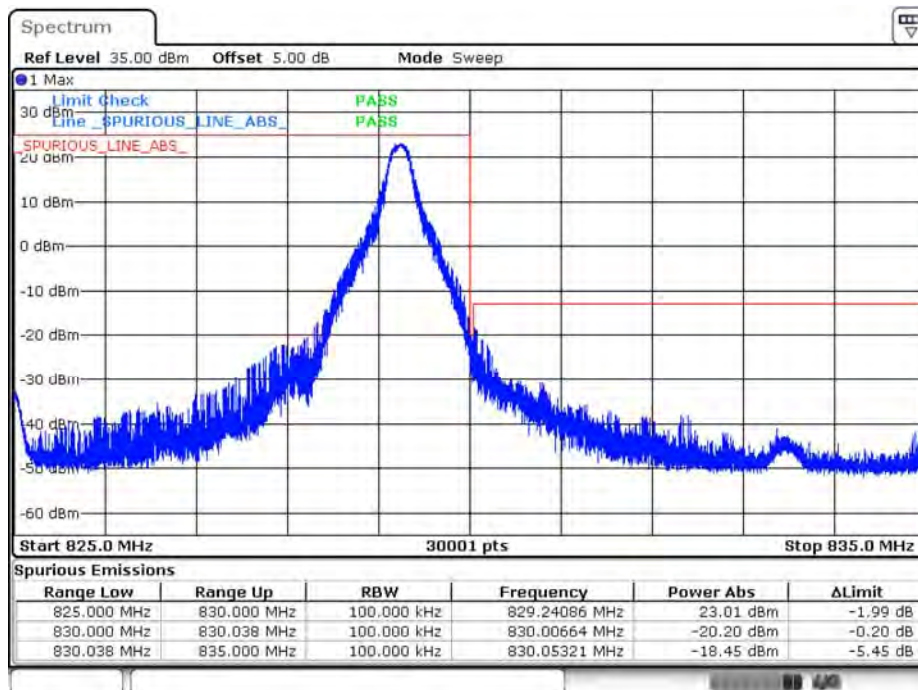
Date: 21.AUG.2018 17:16:17

CH23900_10M_16-QAM_1RB0



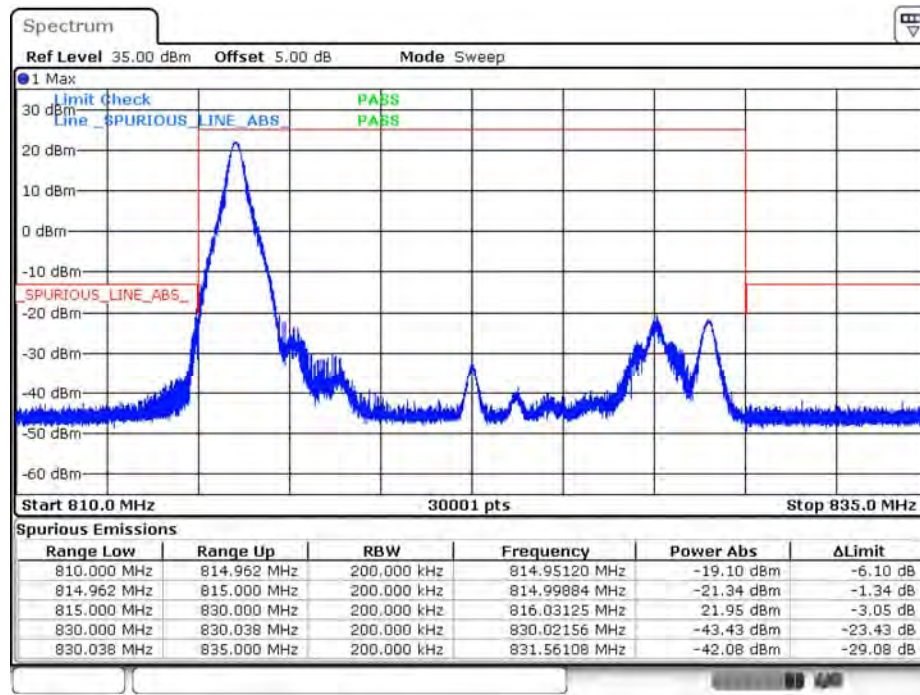
Date: 21.AUG.2018 17:10:22

CH23950_10M_16-QAM_1RB49



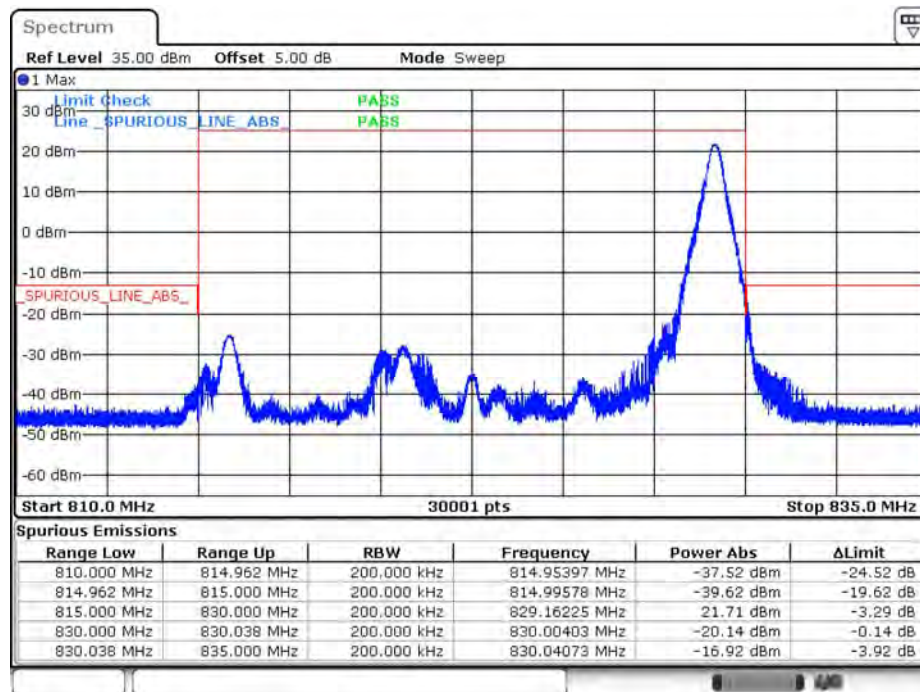
Date: 21.AUG.2018 17:13:17

CH23925_15M_QPSK_1RB0



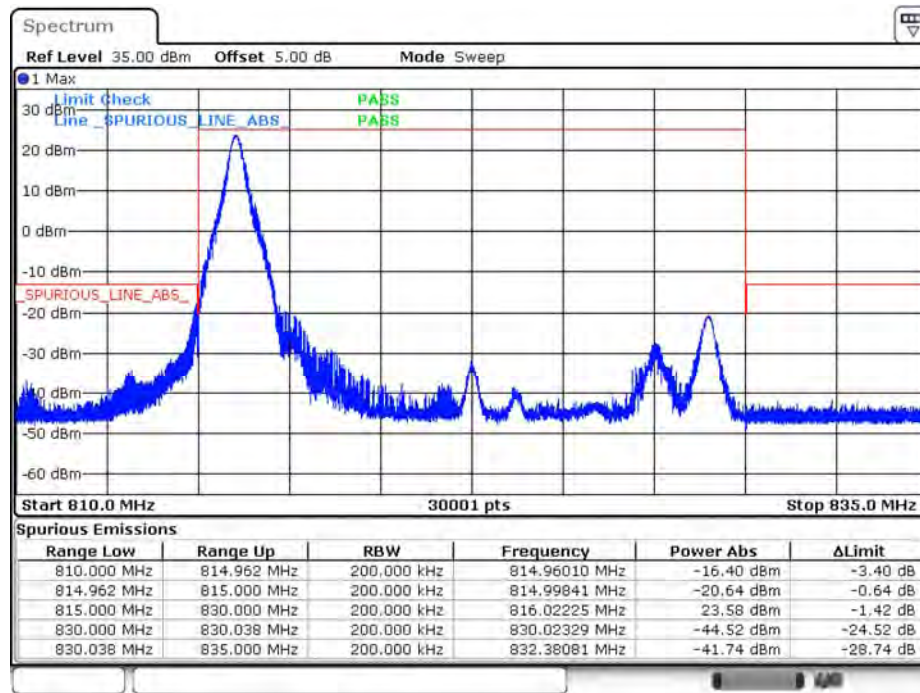
Date: 21.AUG.2018 17:21:05

CH23925_15M_QPSK_1RB74



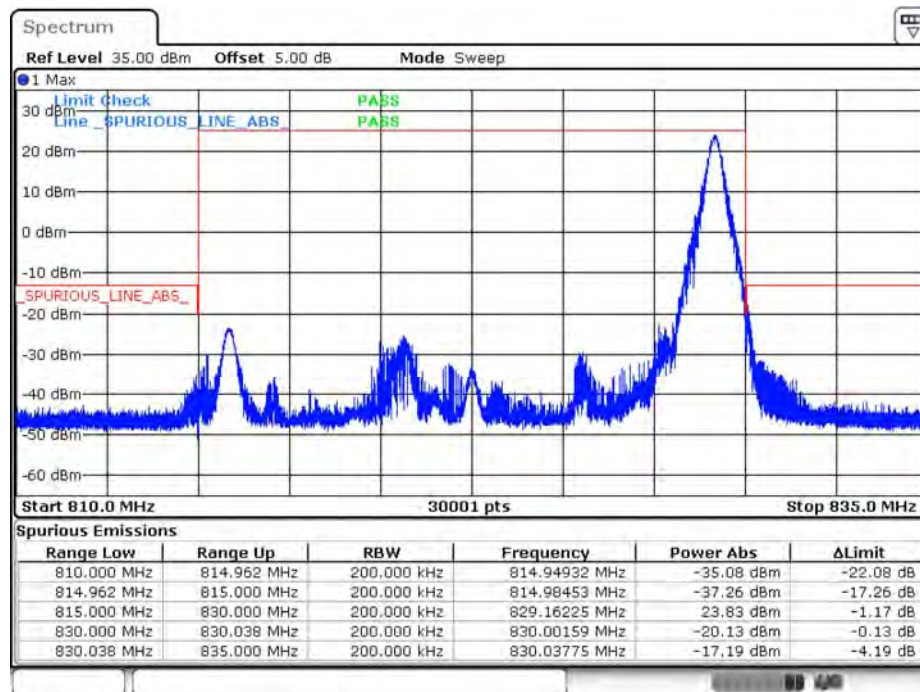
Date: 21.AUG.2018 17:24:42

CH23925_15M_16-QAM_1RB0



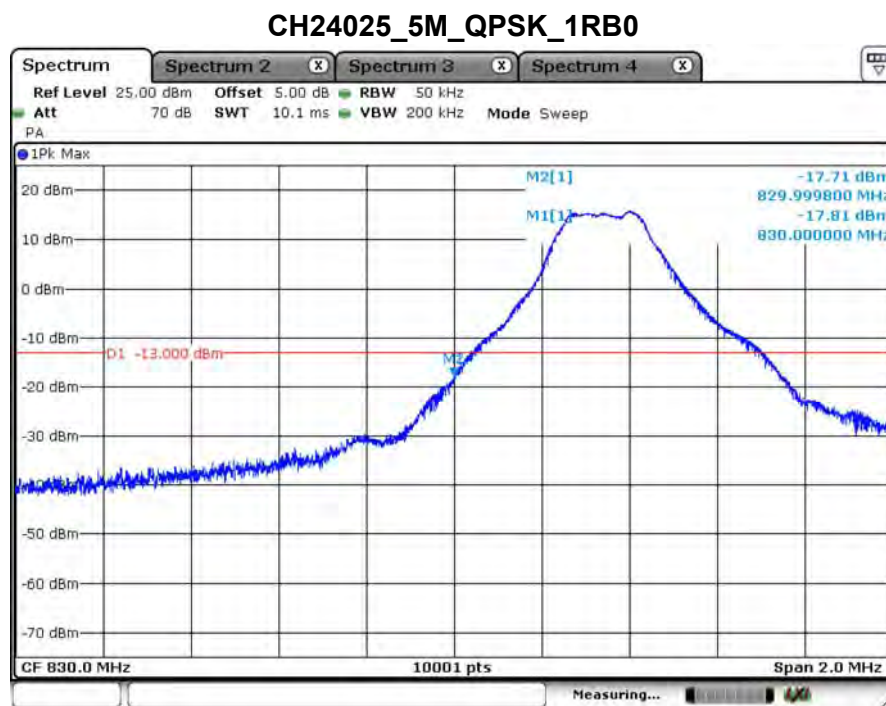
Date: 21.AUG.2018 17:22:31

CH23925_15M_16-QAM_1RB74

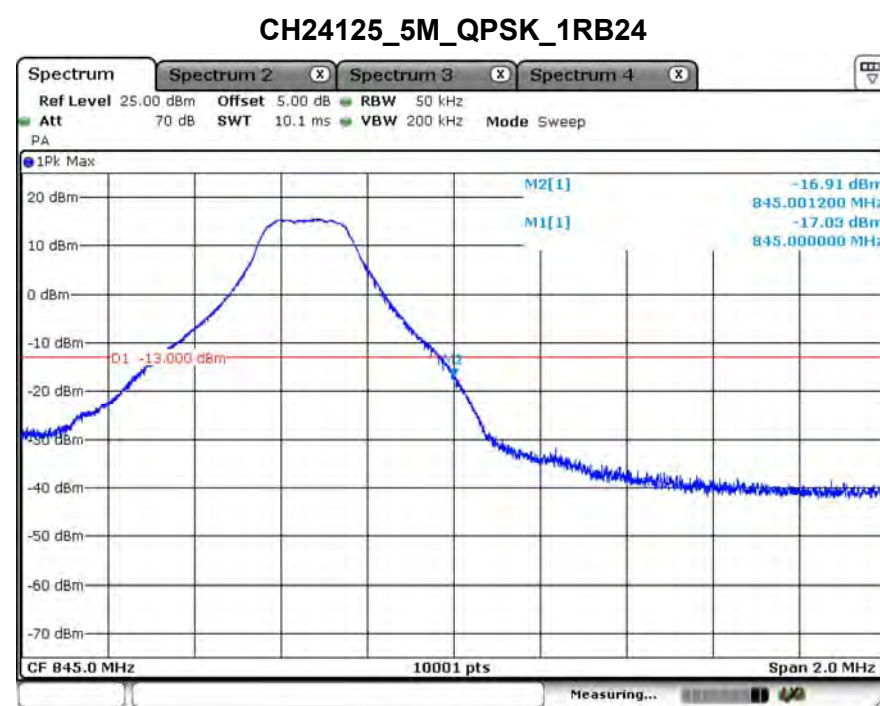


Date: 21.AUG.2018 17:23:59

Product	LM960		
Test Item	Spurious Emissions at Antenna Terminals		
Test Mode	Mode 10: LTE Band 19		
Date of Test	2018/05/24	Test Site	SR10-H

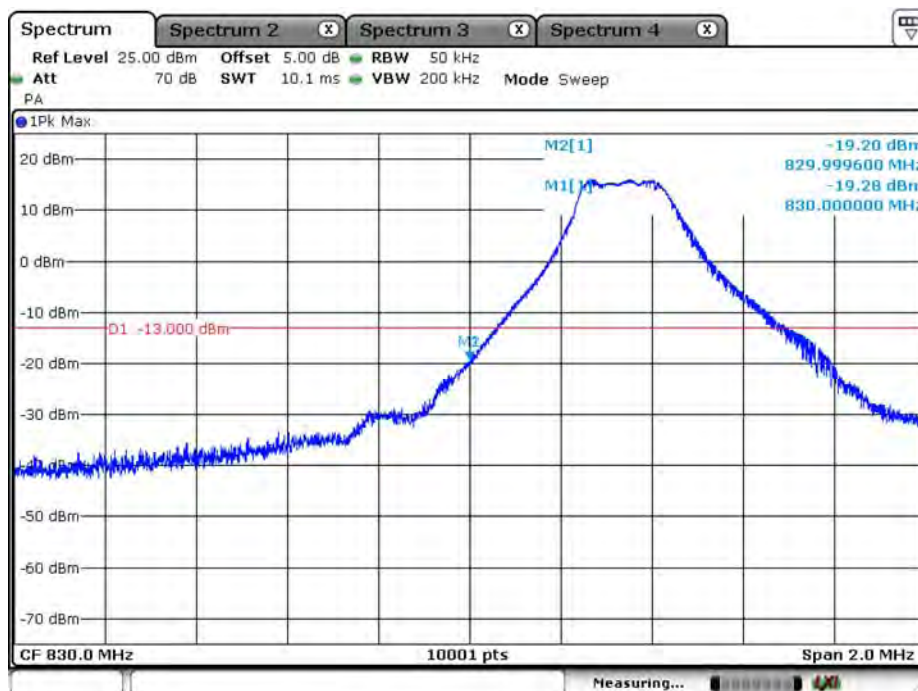


Date: 24 MAY 2018 14:17:51



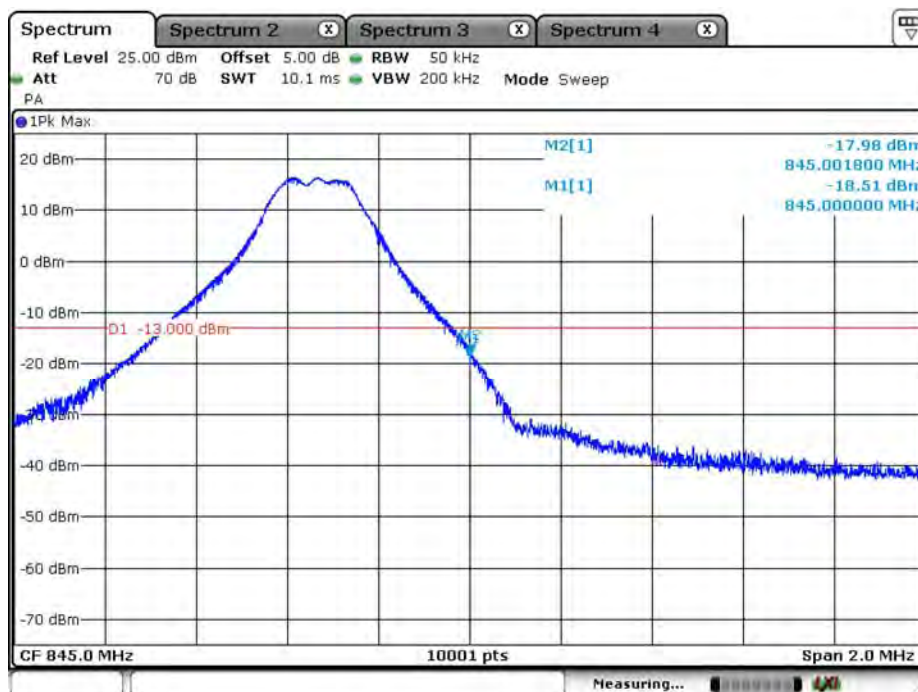
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CH24025_5M_16-QAM_1RB0



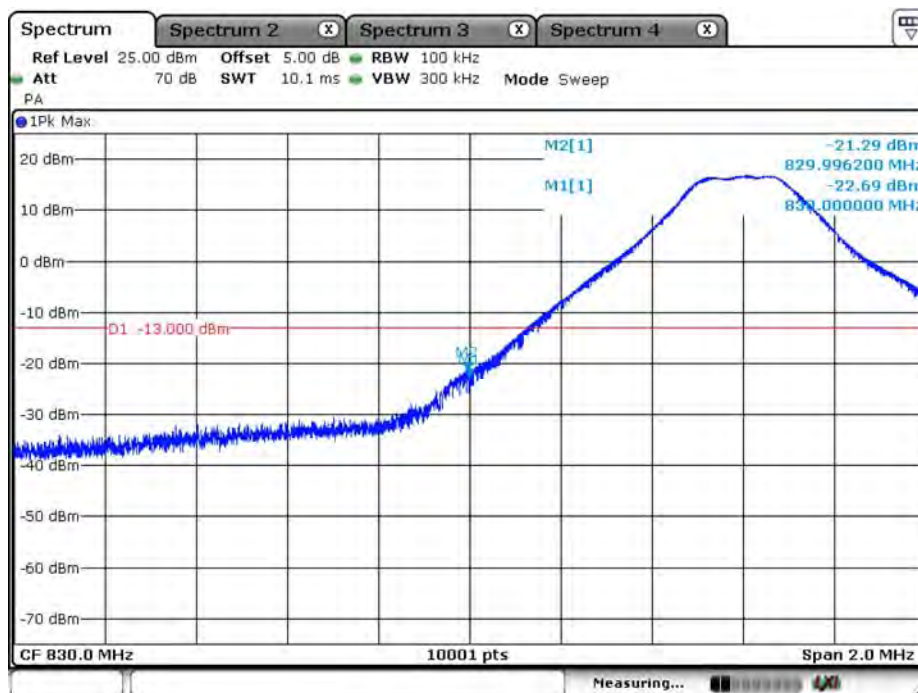
Date: 24.MAY.2018 14:19:40

CH24125_5M_16-QAM_1RB24



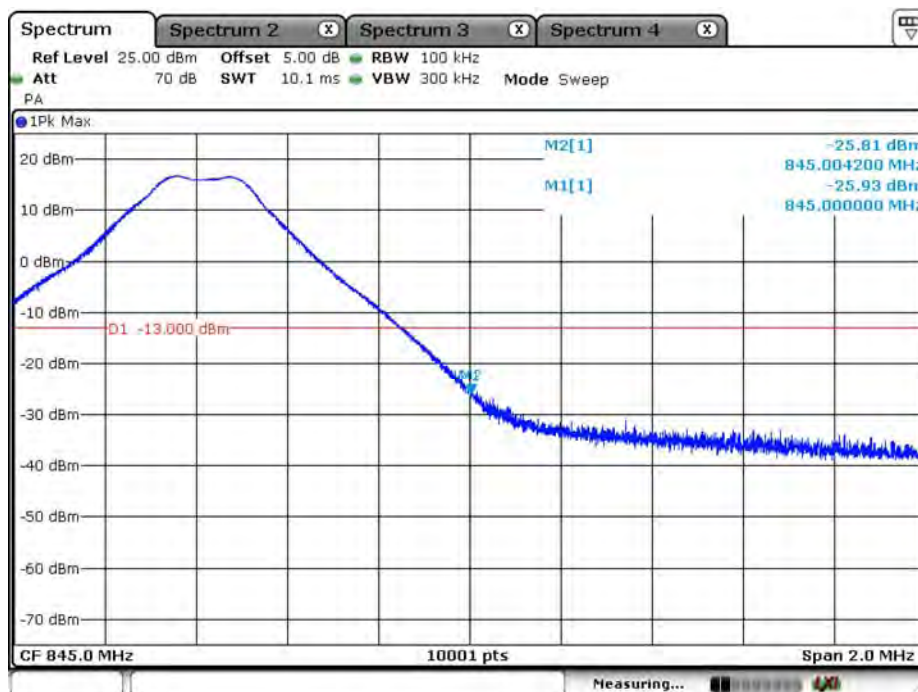
Date: 24.MAY.2018 14:23:04

CH24050_10M_QPSK_1RB0



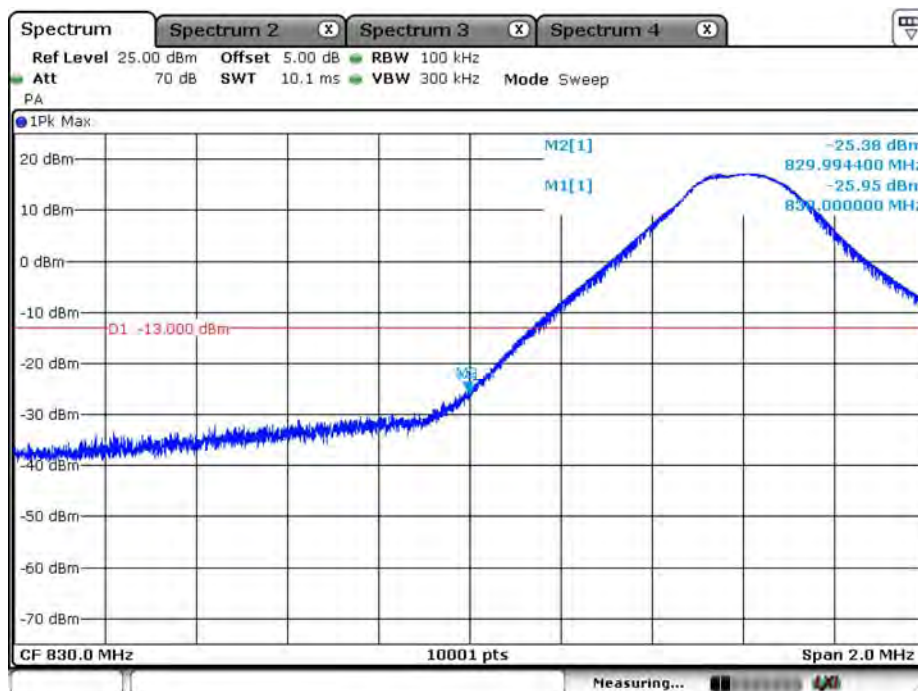
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CH24100_10M_QPSK_1RB49



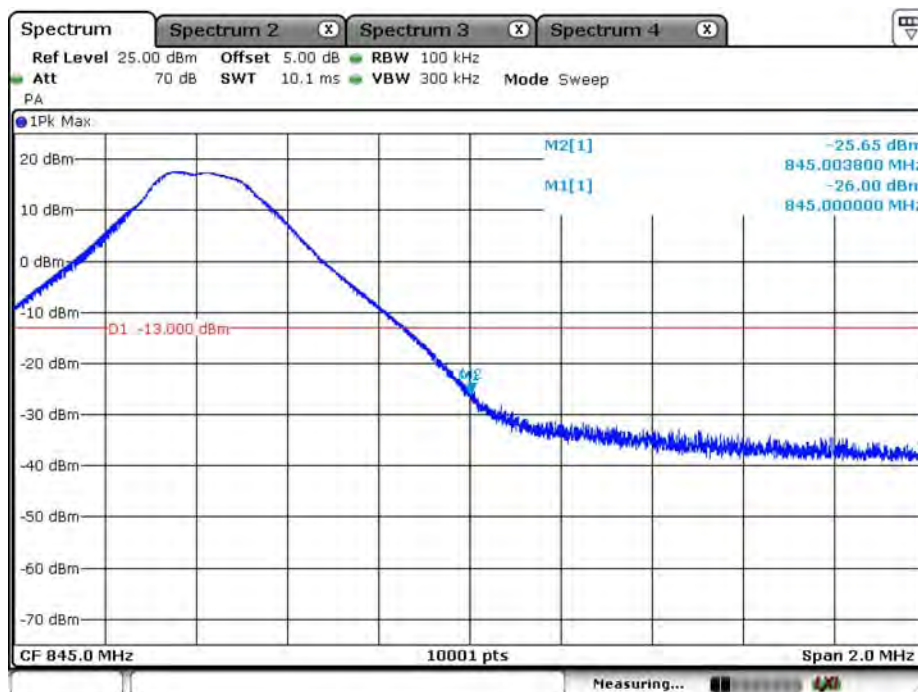
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CH24050_10M_16-QAM_1RB0



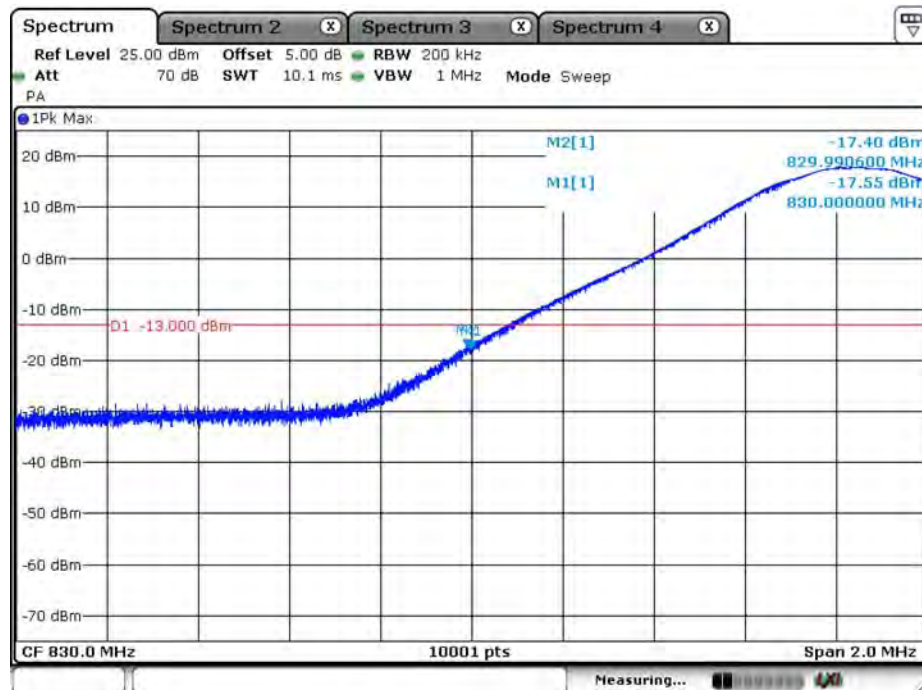
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CH24100_10M_16-QAM_1RB49



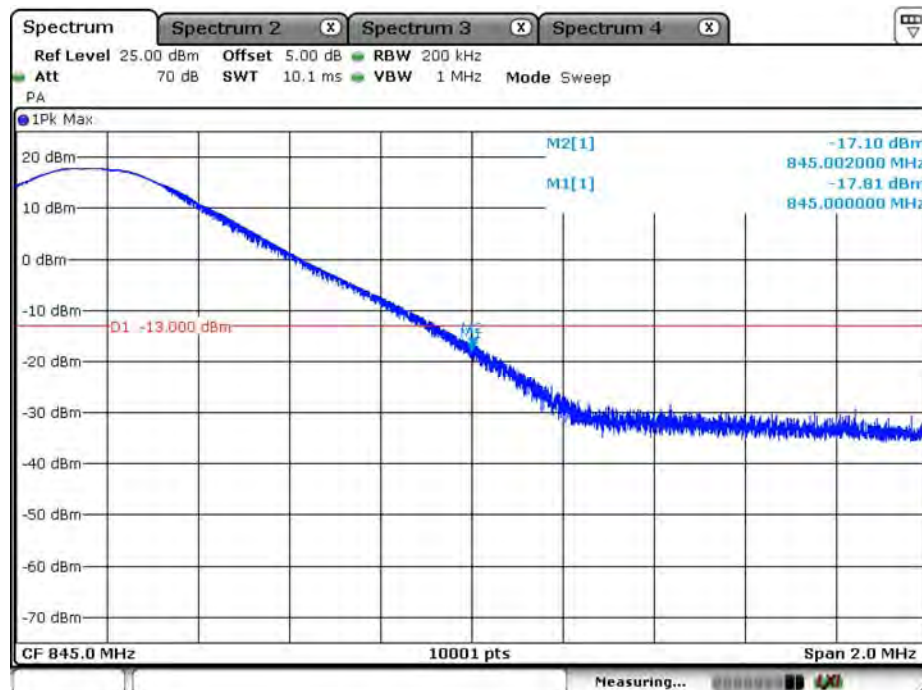
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CH24075_15M_QPSK_1RB0



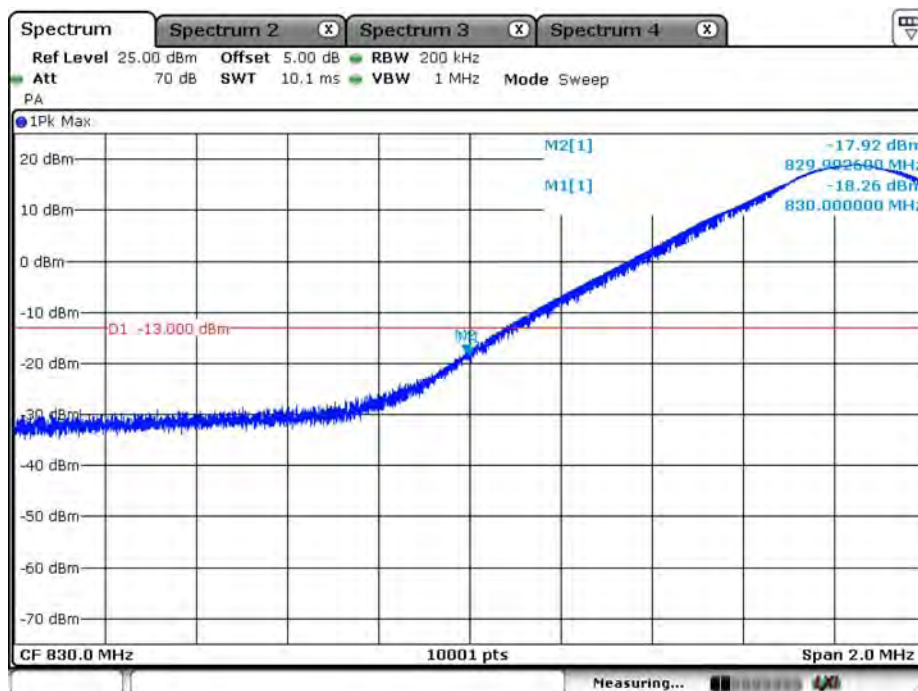
Date: 24.MAY.2018 14:34:44

CH24075_15M_QPSK_1RB74



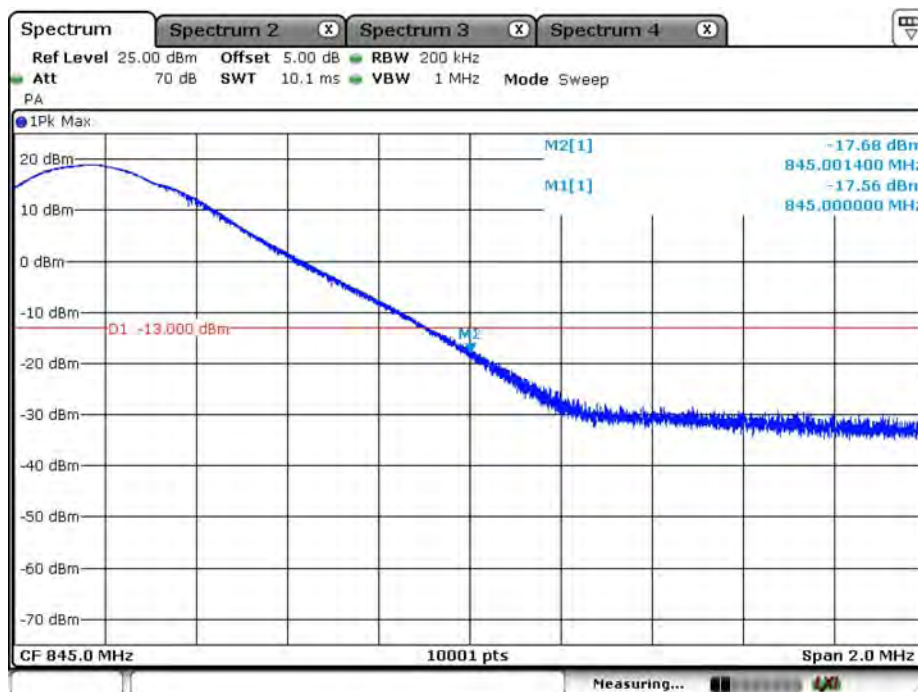
Date: 24.MAY.2018 14:40:03

CH24075_15M_16-QAM_1RB0



Date: 24.MAY.2018 14:36:23

CH24075_15M_16-QAM_1RB74



Date: 24.MAY.2018 14:38:44