



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band (LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
CA_2C	LTE/TM1	20+5	LCH	1 # 0	0 # 0	23.08	22.29	33	PASS
				partial RBs # 0	0 # 0	22.2	21.41	33	PASS
				full RBs # 0	0 # 0	21.29	20.5	33	PASS
				full RBs # 0	full RBs # 0	21.13	20.34	33	PASS
			MCH	1 # 0	0 # 0	23.04	22.25	33	PASS
				partial RBs # 0	0 # 0	22.23	21.44	33	PASS
				full RBs # 0	0 # 0	21.07	20.28	33	PASS
				full RBs # 0	full RBs # 0	20.99	20.2	33	PASS
			HCH	1 # 0	0 # 0	23.09	22.3	33	PASS
				partial RBs # 0	0 # 0	22.19	21.4	33	PASS
				full RBs # 0	0 # 0	21.11	20.32	33	PASS
				full RBs # 0	full RBs # 0	21.25	20.46	33	PASS
		20+20	LCH	1 # 0	0 # 0	22.97	22.18	33	PASS
				partial RBs # 0	0 # 0	23.2	22.41	33	PASS

Test Band	Test Mode	Test Bandwidth	Test Channel	PCC Test	SCC Test	Measured	EIRP	Limit	Verdict		
				full RBs # 0	0 # 0	22.31	21.52	33	PASS		
				full RBs # 0	full RBs # 0	20.27	19.48	33	PASS		
			MCH	1 # 0	0 # 0	23.05	22.26	33	PASS		
				partial RBs # 0	0 # 0	23.26	22.47	33	PASS		
				full RBs # 0	0 # 0	22.1	21.31	33	PASS		
				full RBs # 0	full RBs # 0	20.25	19.46	33	PASS		
			HCH	1 # 0	0 # 0	22.98	22.19	33	PASS		
				partial RBs # 0	0 # 0	23	22.21	33	PASS		
				full RBs # 0	0 # 0	22.3	21.51	33	PASS		
				full RBs # 0	full RBs # 0	20.56	19.77	33	PASS		
			LTE/TM2	20+5	LCH	1 # 0	0 # 0	22.18	21.39	33	PASS
						partial RBs # 0	0 # 0	21.18	20.39	33	PASS
	full RBs # 0	0 # 0				20.21	19.42	33	PASS		
	full RBs # 0	full RBs # 0				20.06	19.27	33	PASS		
	MCH	1 # 0			0 # 0	22.39	21.6	33	PASS		
		partial RBs # 0			0 # 0	21.21	20.42	33	PASS		
full		0 # 0	20.12	19.33	33	PASS					

Test Band	Test Mode	Test Bandwidth	Test Channel	PCC Test	SCC Test	Measured	EIRP	Limit	Verdict	
				RBs # 0						
				full RBs # 0	full RBs # 0	20.13	19.34	33	PASS	
			HCH	1 # 0	0 # 0	22.63	21.84	33	PASS	
				partial RBs # 0	0 # 0	21.22	20.43	33	PASS	
				full RBs # 0	0 # 0	20.12	19.33	33	PASS	
				full RBs # 0	full RBs # 0	20.04	19.25	33	PASS	
		20+20	LCH	1 # 0	0 # 0	23.34	22.55	33	PASS	
					partial RBs # 0	0 # 0	22.27	21.48	33	PASS
					full RBs # 0	0 # 0	21.04	20.25	33	PASS
					full RBs # 0	full RBs # 0	19.34	18.55	33	PASS
				MCH	1 # 0	0 # 0	22.5	21.71	33	PASS
					partial RBs # 0	0 # 0	22.25	21.46	33	PASS
					full RBs # 0	0 # 0	21.05	20.26	33	PASS
					full RBs # 0	full RBs # 0	19.33	18.54	33	PASS
				HCH	1 # 0	0 # 0	22.32	21.53	33	PASS
					partial RBs # 0	0 # 0	22.1	21.31	33	PASS
					full RBs #	0 # 0	21.16	20.37	33	PASS

Test Band	Test Mode	Test Bandwidth	Test Channel	PCC Test	SCC Test	Measured	EIRP	Limit	Verdict
				0					
				full RBs # 0	full RBs # 0	19.58	18.79	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed } 1\text{MHz}$$

$$\text{SET VBW} \geq 3 * \text{RBW}$$

$$\text{SET Sweep time} = \text{auto - couple.}$$

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band (LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured [dBm]	Limit [dBm]	Verdict
CA_2C	LTE/TM1	20+5	LCH	1 # 0	0 # 0	4.79	13	PASS
				partial RBs # 0	0 # 0	5.65	13	PASS
				full RBs # 0	0 # 0	6.62	13	PASS
				full RBs # 0	full RBs # 0	7.15	13	PASS
			MCH	1 # 0	0 # 0	4.92	13	PASS
				partial RBs # 0	0 # 0	6.65	13	PASS
				full RBs # 0	0 # 0	6.75	13	PASS
				full RBs # 0	full RBs # 0	7.47	13	PASS
			HCH	1 # 0	0 # 0	4.86	13	PASS
				partial RBs # 0	0 # 0	5.88	13	PASS
				full RBs # 0	0 # 0	6.54	13	PASS
				full RBs # 0	full RBs # 0	7.17	13	PASS

Test Band (LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured [dBm]	Limit [dBm]	Verdict
		20+20	LCH	1 # 0	0 # 0	4.85	13	PASS
				partial RBs # 0	0 # 0	5.71	13	PASS
				full RBs # 0	0 # 0	6.57	13	PASS
				full RBs # 0	full RBs # 0	6.75	13	PASS
			MCH	1 # 0	0 # 0	5.38	13	PASS
				partial RBs # 0	0 # 0	6.08	13	PASS
				full RBs # 0	0 # 0	6.94	13	PASS
				full RBs # 0	full RBs # 0	7.05	13	PASS
			HCH	1 # 0	0 # 0	5.32	13	PASS
				partial RBs # 0	0 # 0	6.49	13	PASS
				full RBs # 0	0 # 0	6.46	13	PASS
				full RBs # 0	full RBs # 0	6.97	13	PASS
	LTE/TM2	20+5	LCH	1 # 0	0 # 0	5.47	13	PASS
				partial RBs # 0	0 # 0	6.20	13	PASS

Test Band (LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured [dBm]	Limit [dBm]	Verdict	
				full RBs # 0	0 # 0	7.26	13	PASS	
				full RBs # 0	full RBs # 0	8.00	13	PASS	
			MCH	1 # 0	0 # 0	6.56	13	PASS	
				partial RBs # 0	0 # 0	6.95	13	PASS	
				full RBs # 0	0 # 0	7.58	13	PASS	
				full RBs # 0	full RBs # 0	8.19	13	PASS	
			HCH	1 # 0	0 # 0	5.59	13	PASS	
				partial RBs # 0	0 # 0	6.47	13	PASS	
				full RBs # 0	0 # 0	7.42	13	PASS	
				full RBs # 0	full RBs # 0	7.87	13	PASS	
			20+20	LCH	1 # 0	0 # 0	5.75	13	PASS
					partial RBs # 0	0 # 0	6.19	13	PASS
		full RBs # 0			0 # 0	7.14	13	PASS	
		full RBs # 0			full RBs # 0	7.58	13	PASS	

Test Band (LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured [dBm]	Limit [dBm]	Verdict
			MCH	1 # 0	0 # 0	6.17	13	PASS
				partial RBs # 0	0 # 0	6.94	13	PASS
				full RBs # 0	0 # 0	7.55	13	PASS
				full RBs # 0	full RBs # 0	7.70	13	PASS
			HCH	1 # 0	0 # 0	6.14	33	PASS
				partial RBs # 0	0 # 0	7.07	33	PASS
				full RBs # 0	0 # 0	7.32	33	PASS
				full RBs # 0	full RBs # 0	7.62	33	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

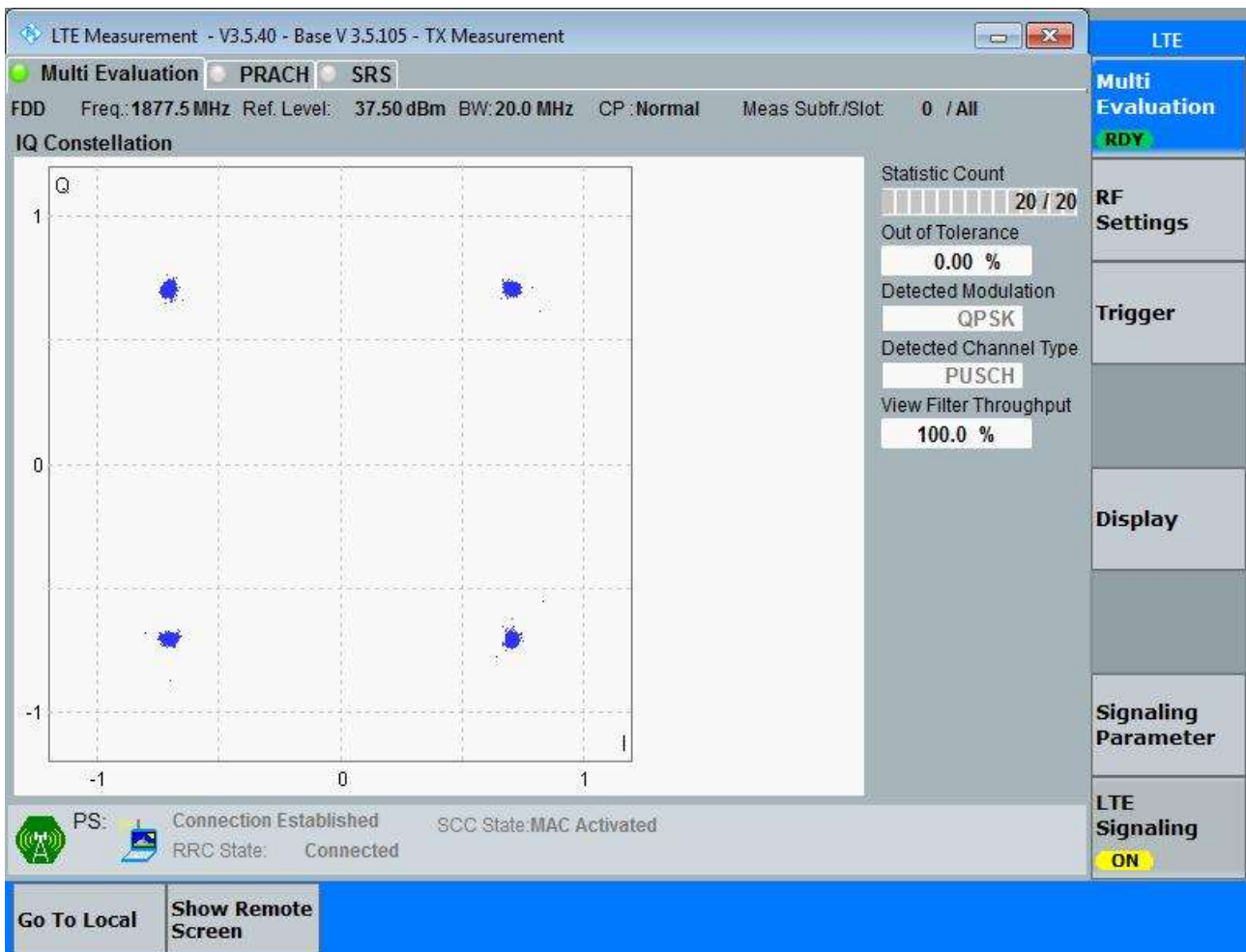
3.1.1 Test Band = CA_2C

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 20+5

3.1.1.1.1.1 Test Channel = MCH

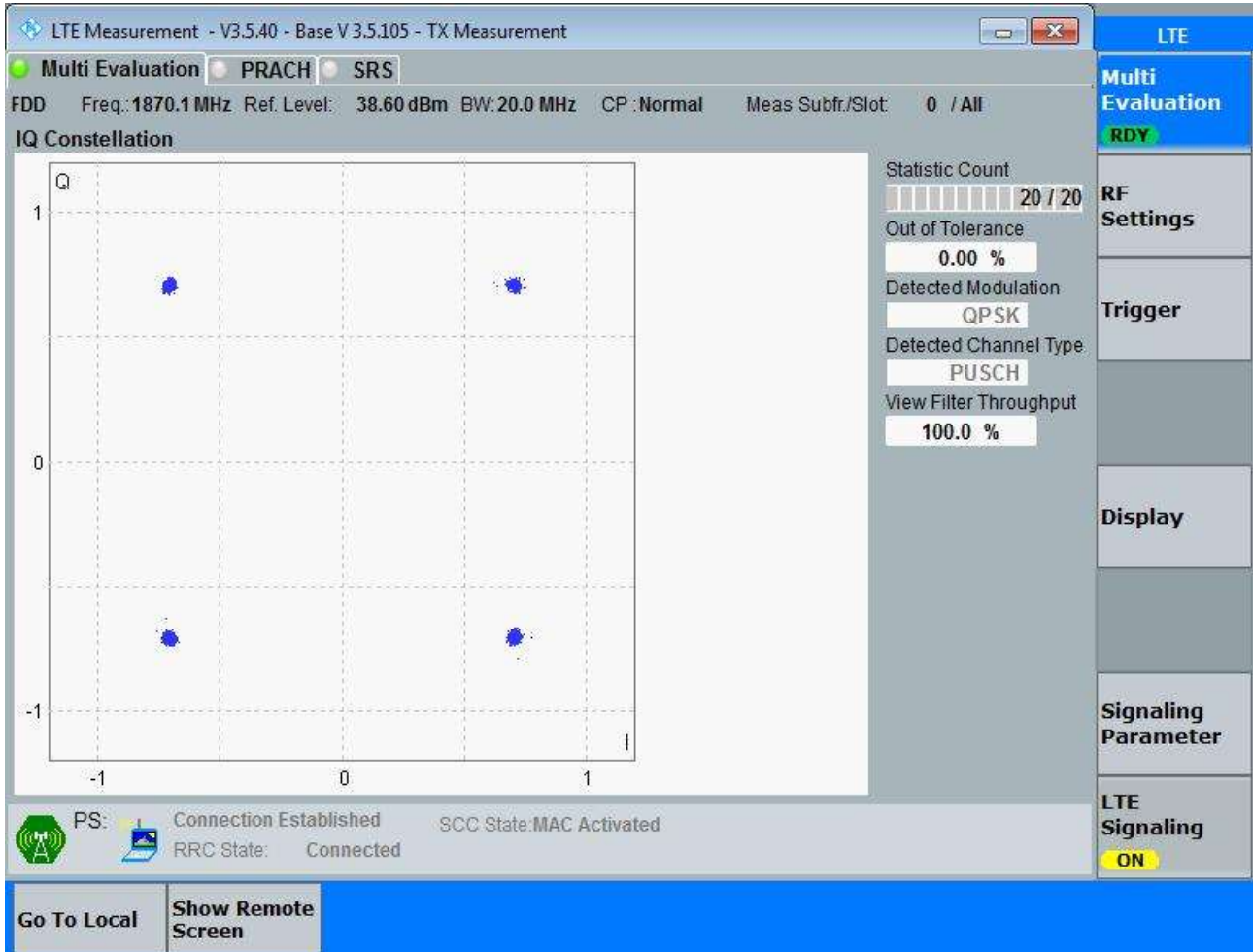
3.1.1.1.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



3.1.1.1.2 Test Bandwidth = 20+20

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs

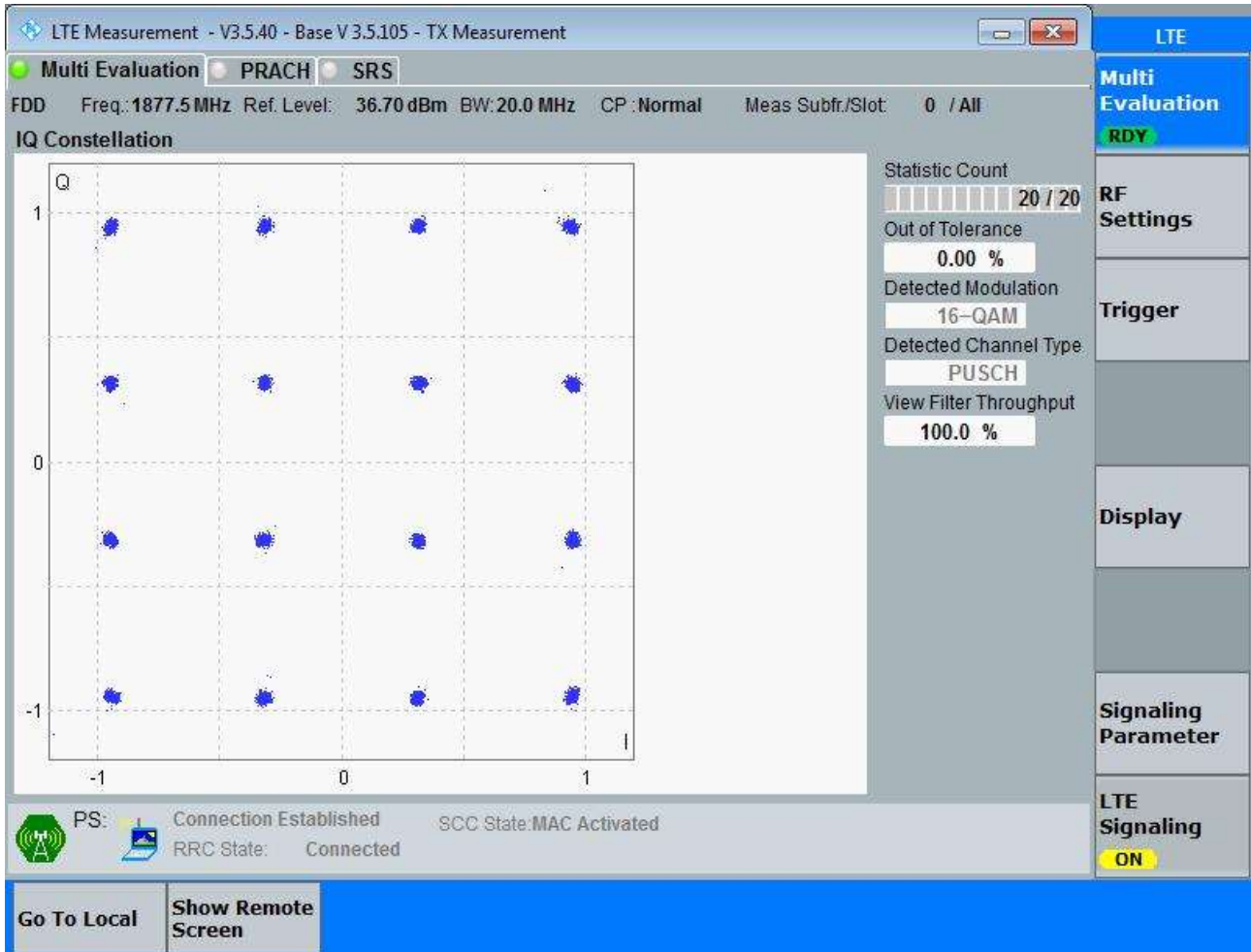


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 20+5

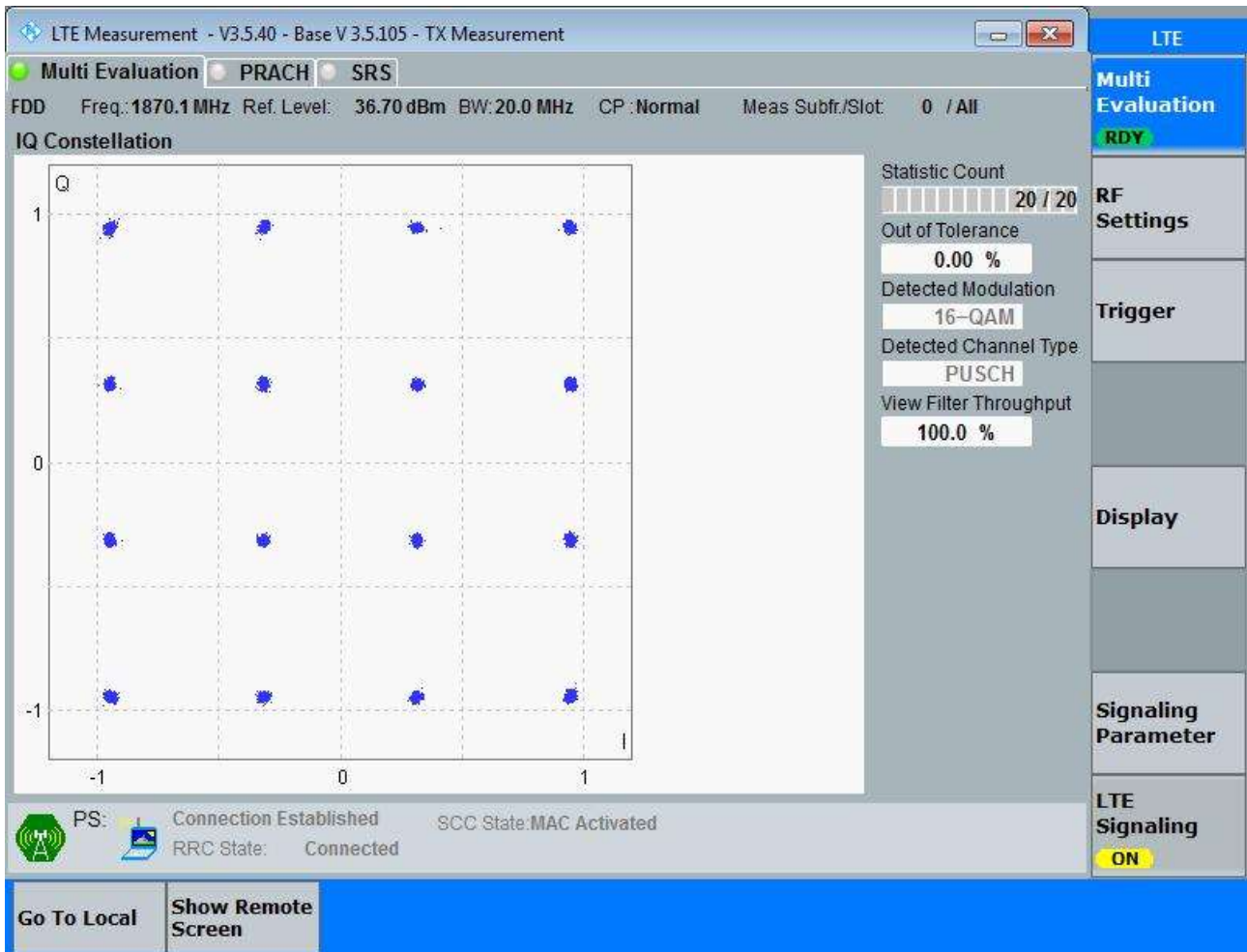
3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



3.1.1.2.2 Test Bandwidth = 20+20

3.1.1.2.2.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4Appendix_D: Bandwidth

Part I - Test Results

Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
CA_2C	LTE/ TM1	20+5	LCH	full RBs # 0	full RBs # 0	23.53	25.50	PASS
			MCH	full RBs # 0	full RBs # 0	23.53	25.45	PASS
			HCH	full RBs # 0	full RBs # 0	23.55	25.47	PASS
		20+20	LCH	full RBs # 0	full RBs # 0	38.70	41.50	PASS
			MCH	full RBs # 0	full RBs # 0	38.51	41.49	PASS
			HCH	full RBs # 0	full RBs # 0	38.38	41.23	PASS
	LTE/ TM2	20+5	LCH	full RBs # 0	full RBs # 0	23.50	25.45	PASS
			MCH	full RBs # 0	full RBs # 0	23.43	25.39	PASS

Test Band(LTE)	Test Mode	Test Band width	Test Channel	PCC Test RB	SCC Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	full RBs # 0	full RBs # 0	23.55	25.47	PASS
		20+20	LCH	full RBs # 0	full RBs # 0	38.67	41.42	PASS
	MCH		full RBs # 0	full RBs # 0	38.44	41.54	PASS	
	HCH		full RBs # 0	full RBs # 0	38.30	41.27	PASS	

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = CA_2C

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 20+5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2 Test Bandwidth = 20+20

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1 Test Mode = LTE/TM2

4.1.1.1.1 Test Bandwidth = 20+5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2 Test Bandwidth = 20+20

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 PCC Test RB = full RBs & SCC Test RB = full RBs



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 PCC Test RB = full RBs & SCC Test RB = full RBs



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = CA_2C

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 20+5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



5.1.1.1.1.2 PCC Test RB = partial RBs # 0 & SCC Test RB = 0



5.1.1.1.1.3 PCC Test RB = full RBs & SCC Test RB = 0



5.1.1.1.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 PCC Test RB = 0 & SCC Test RB = 1 # max



5.1.1.1.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs # max



5.1.1.1.2.3 PCC Test RB = 0 & SCC Test RB = full RBs



5.1.1.1.2.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.1.2 Test Bandwidth = 20+20

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



5.1.1.1.2.1.2 PCC Test RB = partial RBs # 0 & SCC Test RB = 0



5.1.1.1.2.1.3 PCC Test RB = full RBs & SCC Test RB = 0



5.1.1.1.2.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 PCC Test RB = 0 & SCC Test RB = 1 # max



5.1.1.1.2.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs # max



5.1.1.1.2.2.3 PCC Test RB = 0 & SCC Test RB = full RBs



5.1.1.1.2.2.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.2 Test Mode = LTE/TM2**5.1.1.2.1 Test Bandwidth = 20+5****5.1.1.2.1.1 Test Channel = LCH****5.1.1.2.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0**

5.1.1.2.1.1.2 PCC Test RB = partial RBs # 0 & SCC Test RB = 0



5.1.1.2.1.3 PCC Test RB = full RBs & SCC Test RB = 0



5.1.1.2.1.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 PCC Test RB = 0 & SCC Test RB = 1 # max



5.1.1.2.1.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs # max



5.1.1.2.1.2.3 PCC Test RB = 0 & SCC Test RB = full RBs



5.1.1.2.1.2.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.2.2 Test Bandwidth = 20+20

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0



5.1.1.2.2.1.2 PCC Test RB = partial RBs # 0 & SCC Test RB = 0



5.1.1.2.2.1.3 PCC Test RB = full RBs & SCC Test RB = 0



5.1.1.2.2.1.4 PCC Test RB = full RBs & SCC Test RB = full RBs



5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 PCC Test RB = 0 & SCC Test RB = 1 # max



5.1.1.2.2.2 PCC Test RB = 0 & SCC Test RB = partial RBs # max



5.1.1.2.2.3 PCC Test RB = 0 & SCC Test RB = full RBs



5.1.1.2.2.4 PCC Test RB = full RBs & SCC Test RB = full RBs



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = CA_2C

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 20+5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.1.2 Test Bandwidth = 20+20**6.2.1.1.2.1 Test Channel = LCH****6.1.1.1.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0**





6.2.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







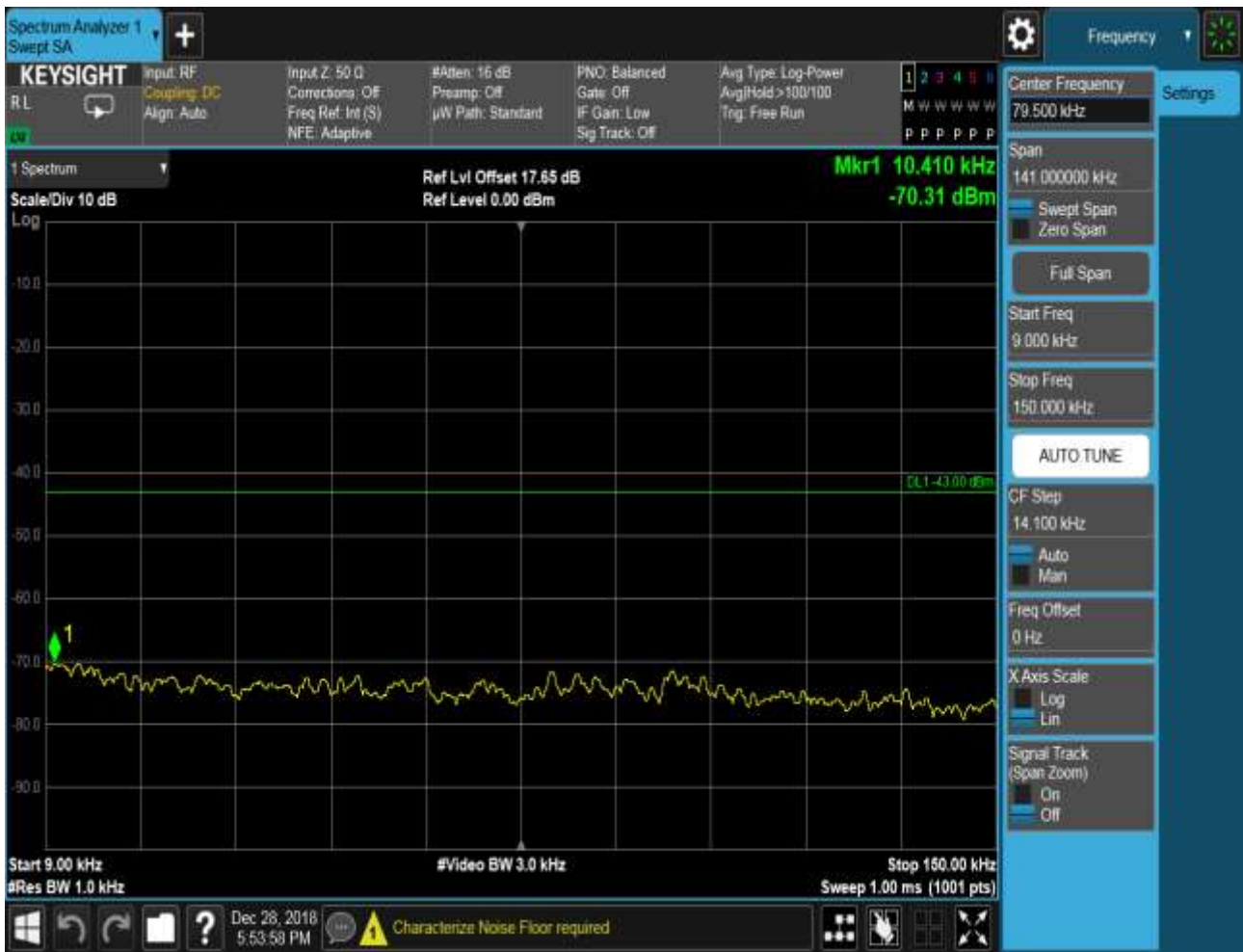
6.2.1.2 Test Mode = LTE/TM2**6.2.1.2.1 Test Bandwidth = 20+5****6.2.1.2.1.1 Test Channel = LCH****6.1.1.2.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0**





6.2.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.2 Test Bandwidth = 20+20

6.2.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.2.2 Test Channel = MCH

6.1.1.2.2.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







6.2.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 PCC Test RB = 1 # 0 & SCC Test RB = 0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

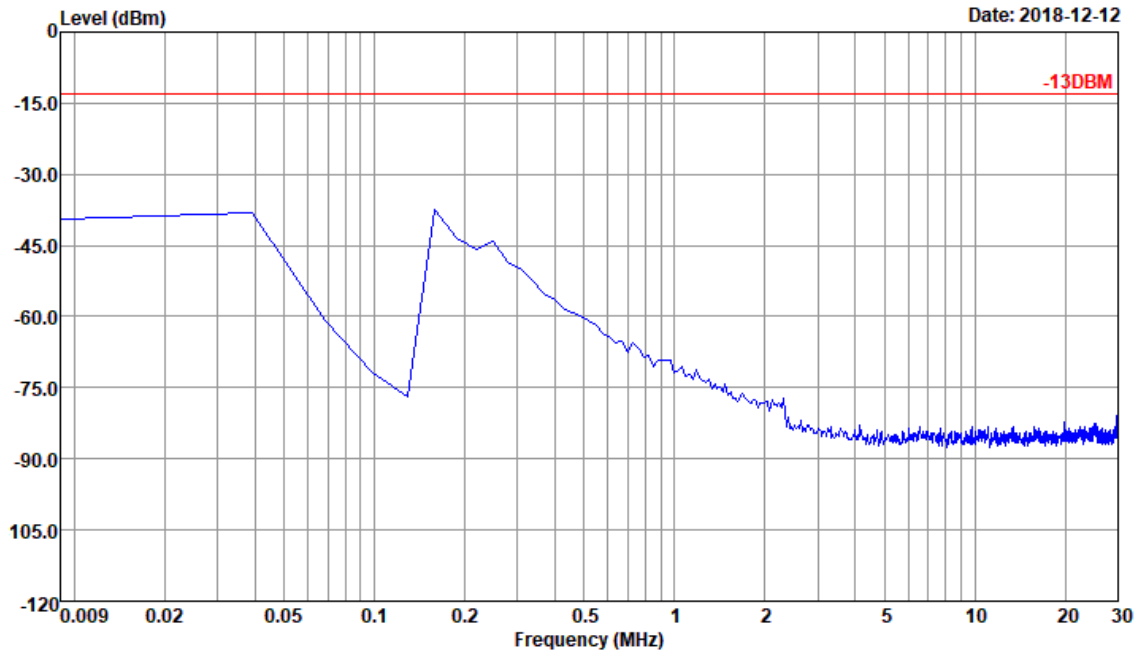
7.1 For LTE

7.1.1 Test Band = CA_2C_ANT1

7.1.1.1 Test Bandwidth = 20+5

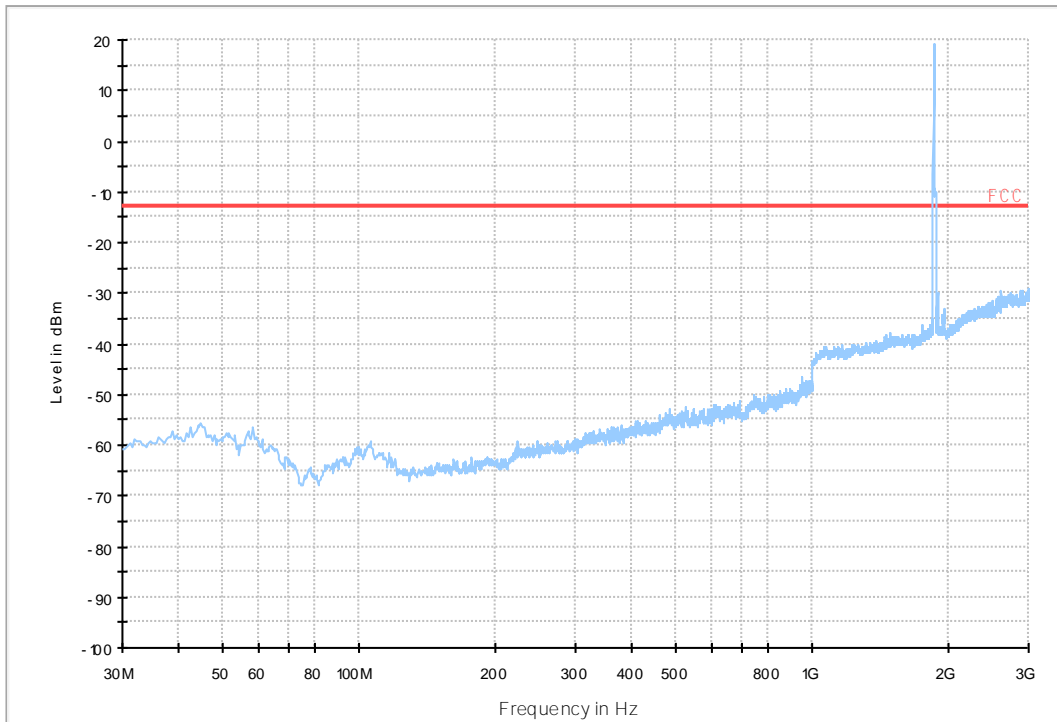


Data: 73

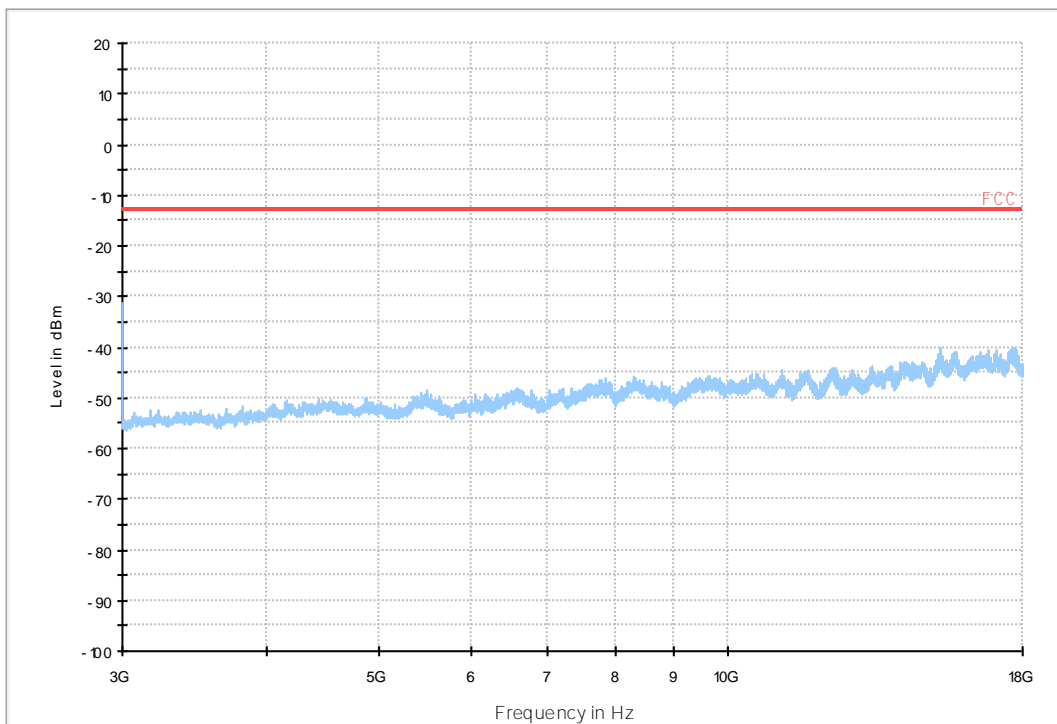


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

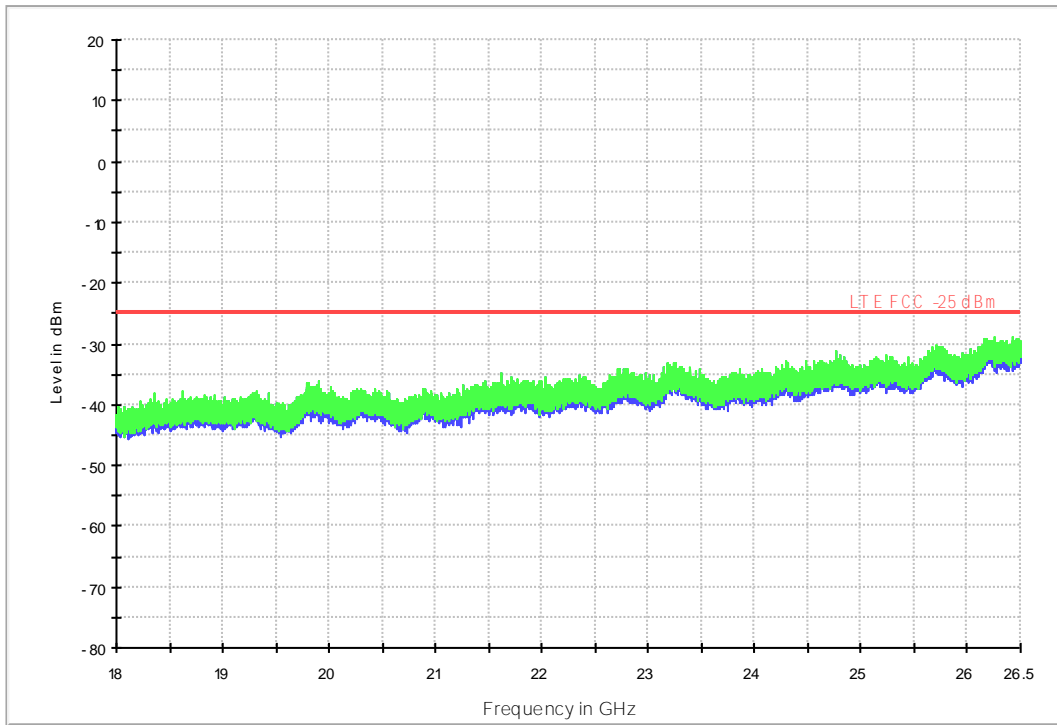
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

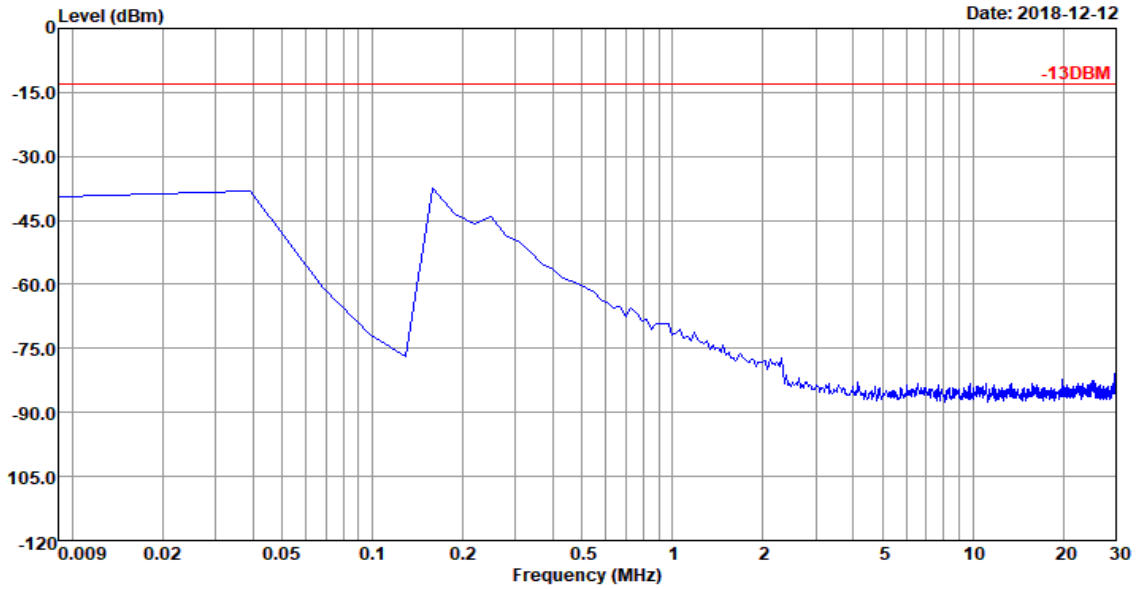


7.1.1.2 Test Bandwidth = 20+20



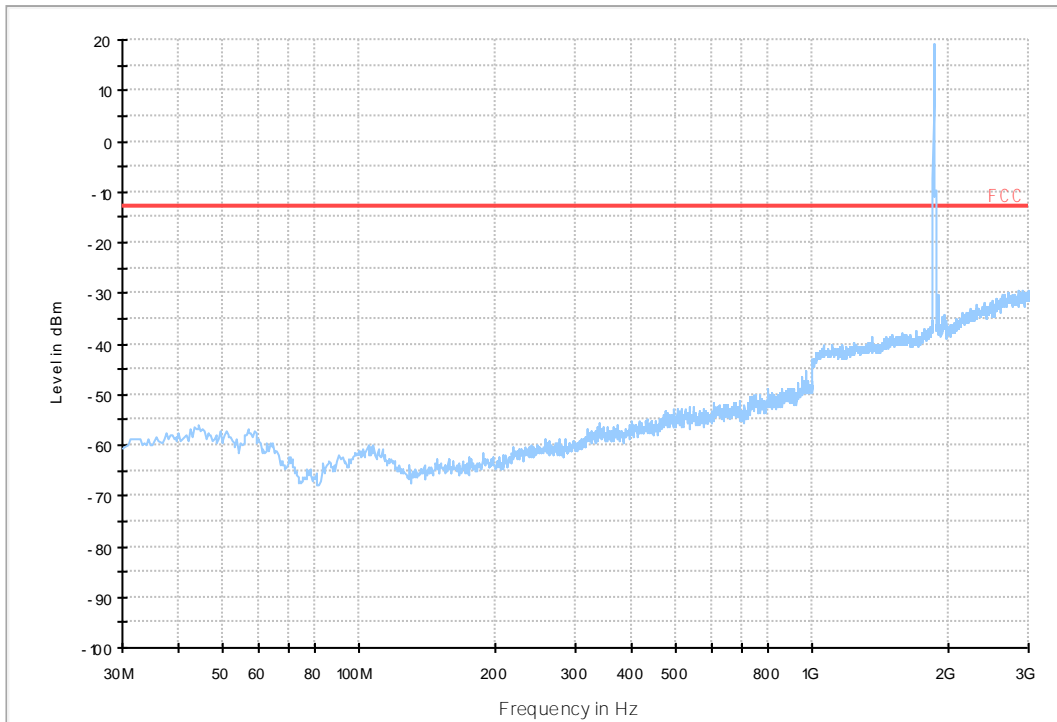
Data: 73

Date: 2018-12-12

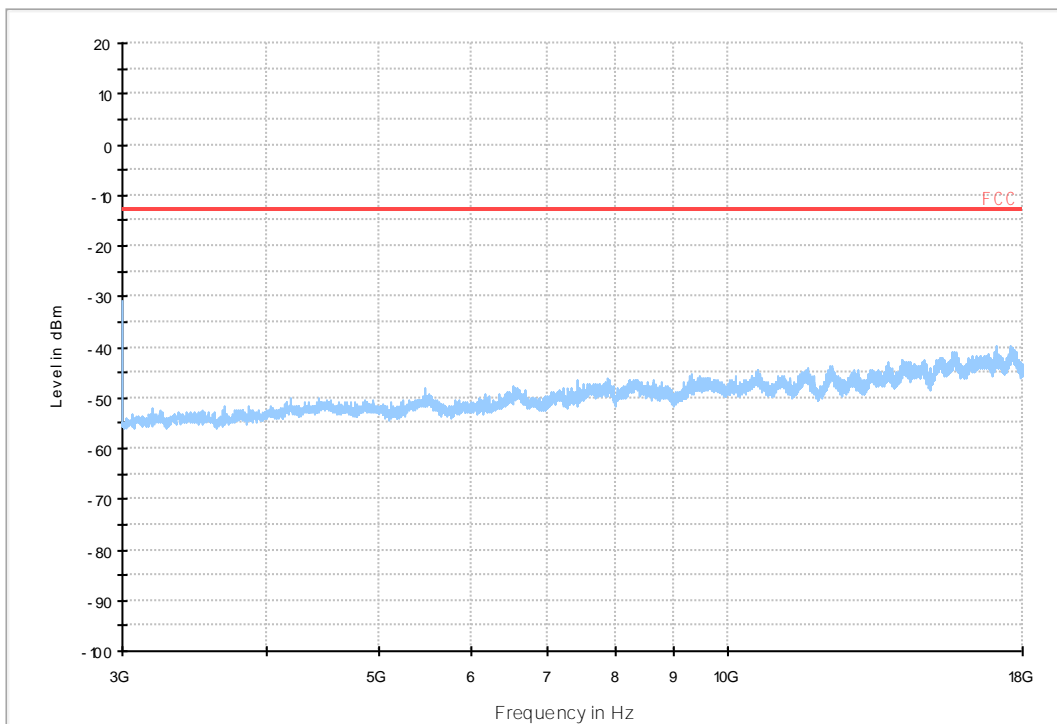


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

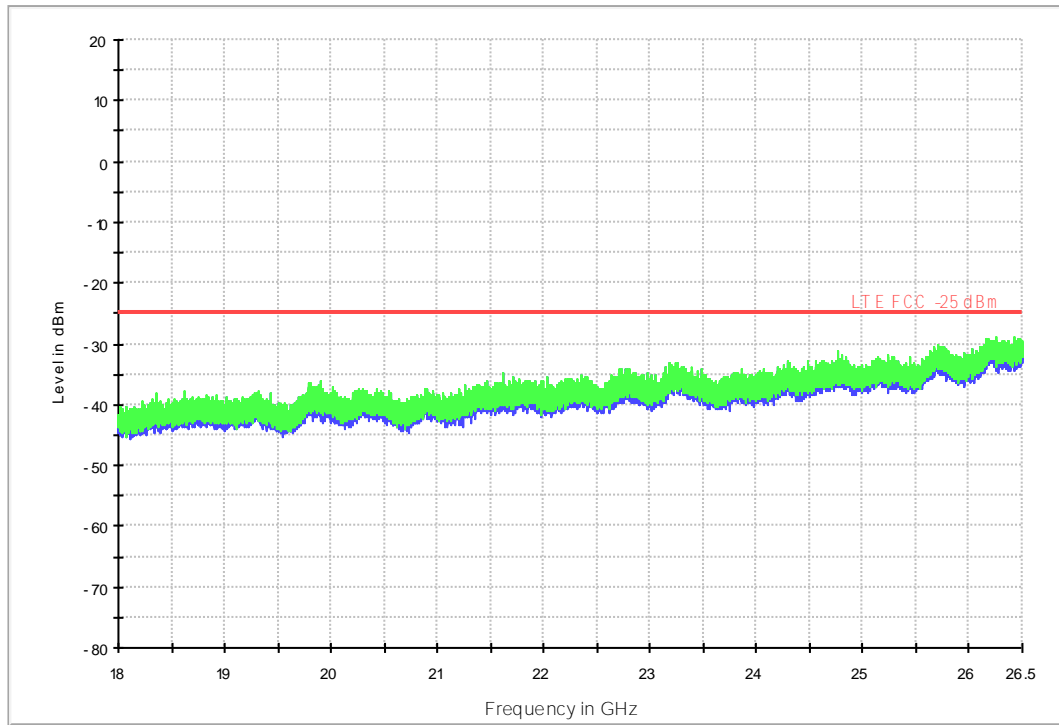
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

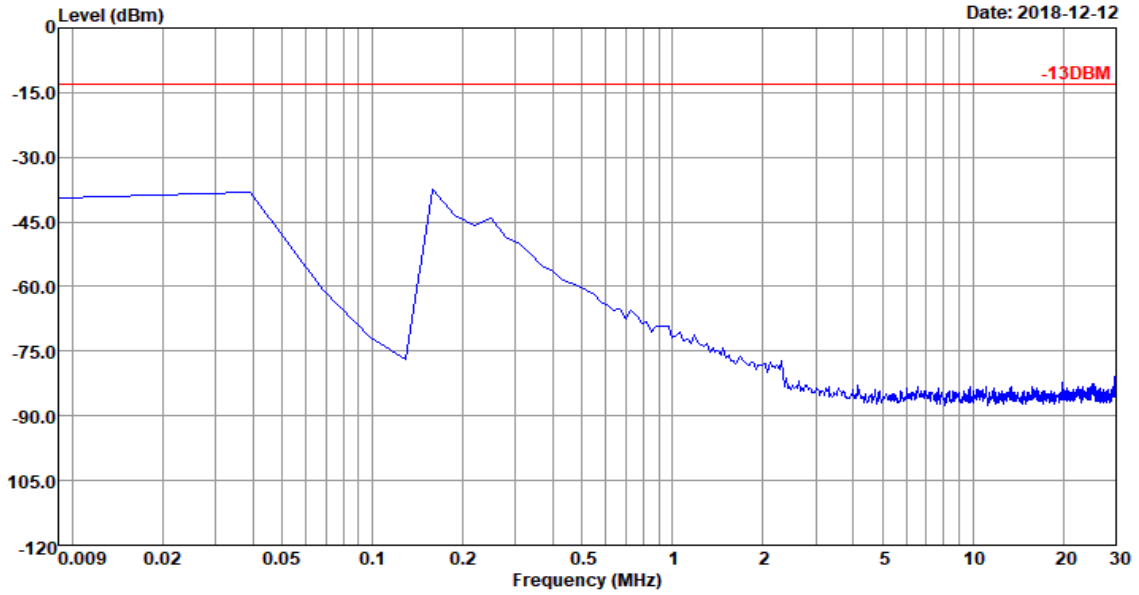


7.1.2 Test Band = CA_2C_ANT2

7.1.2.1 Test Bandwidth = 20+5

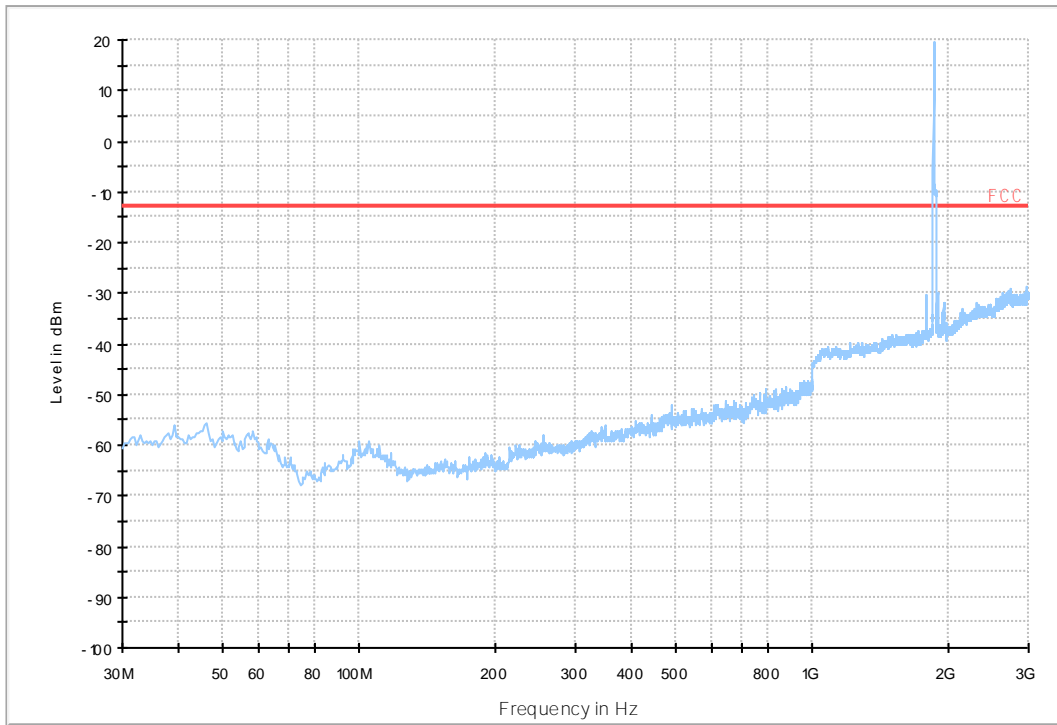


Data: 73

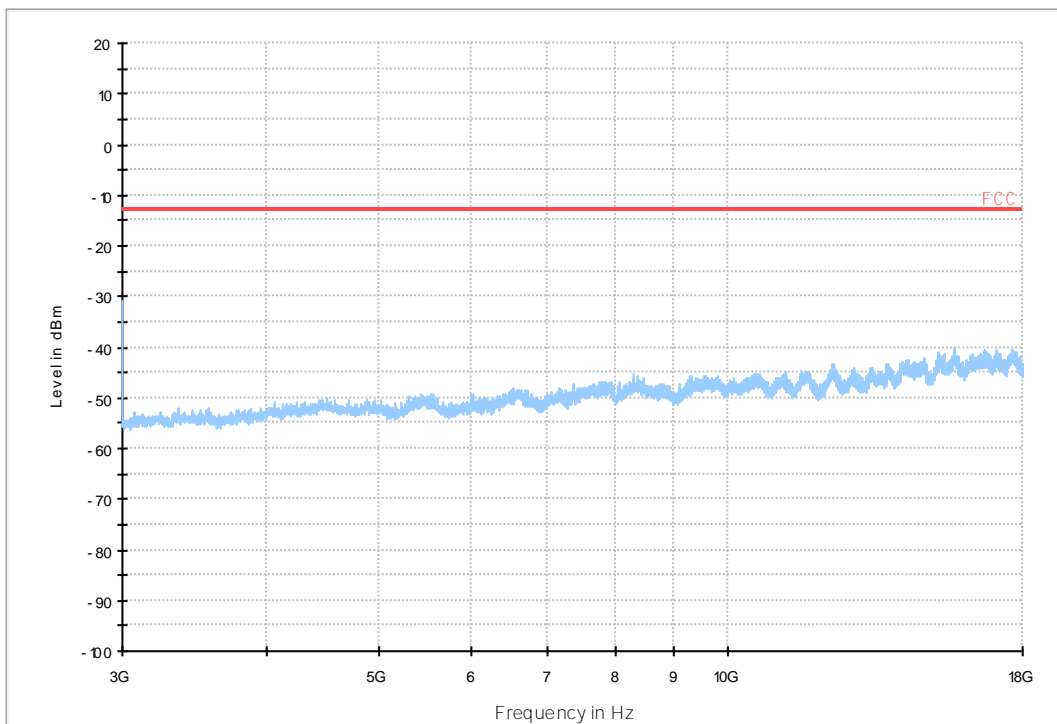


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

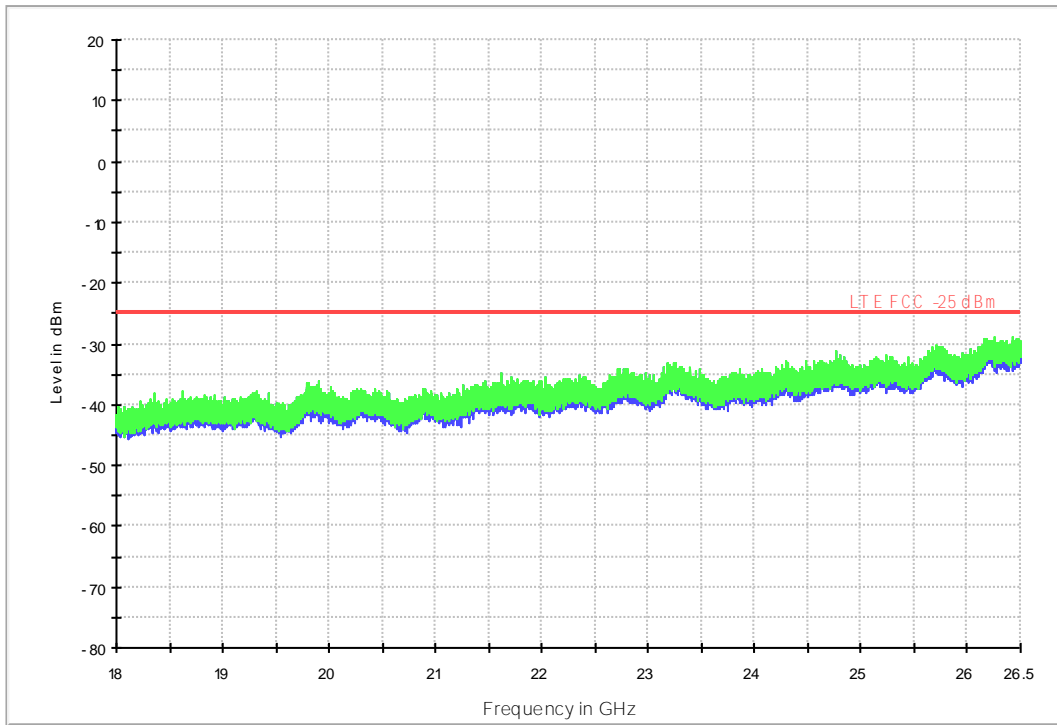
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



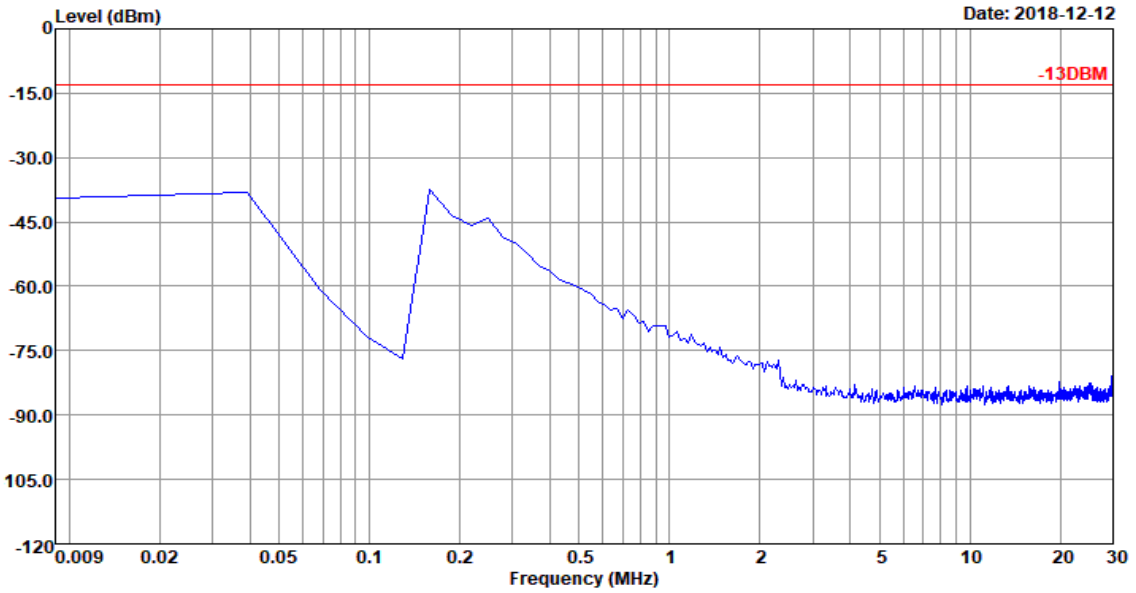
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



7.1.2.2 Test Bandwidth = 20+20

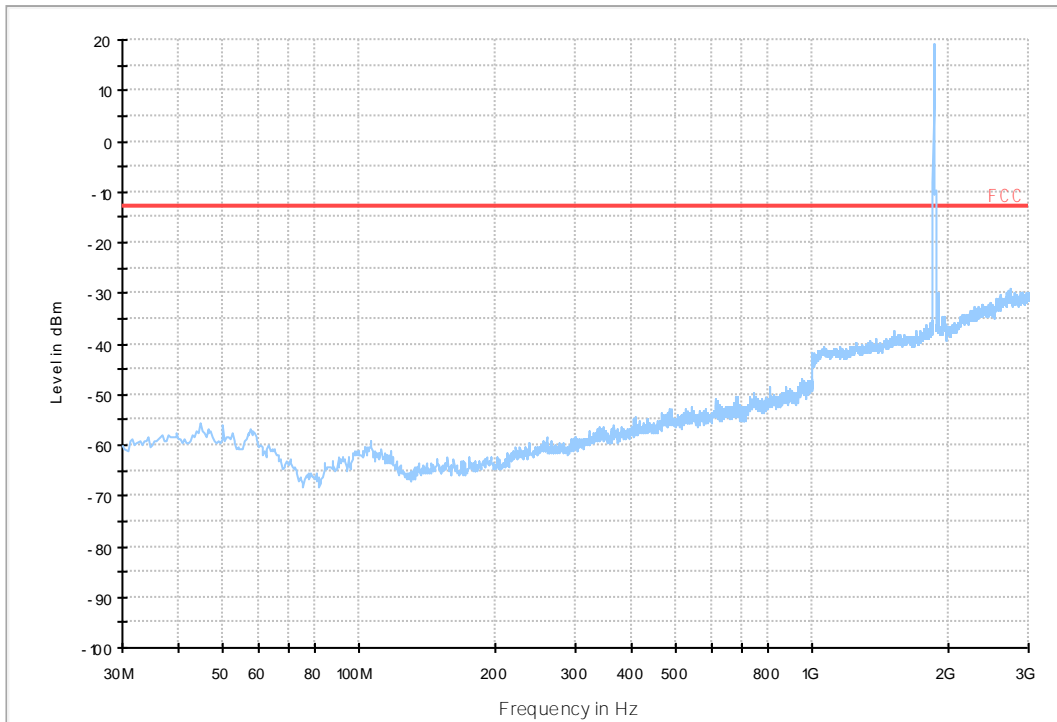


Data: 73

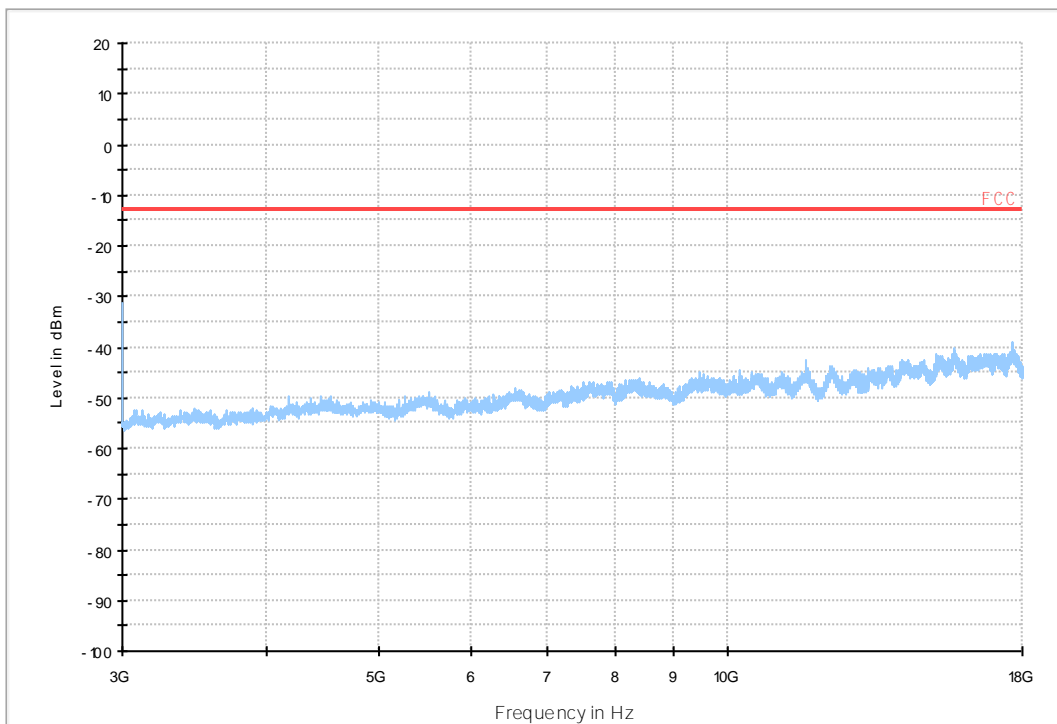


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

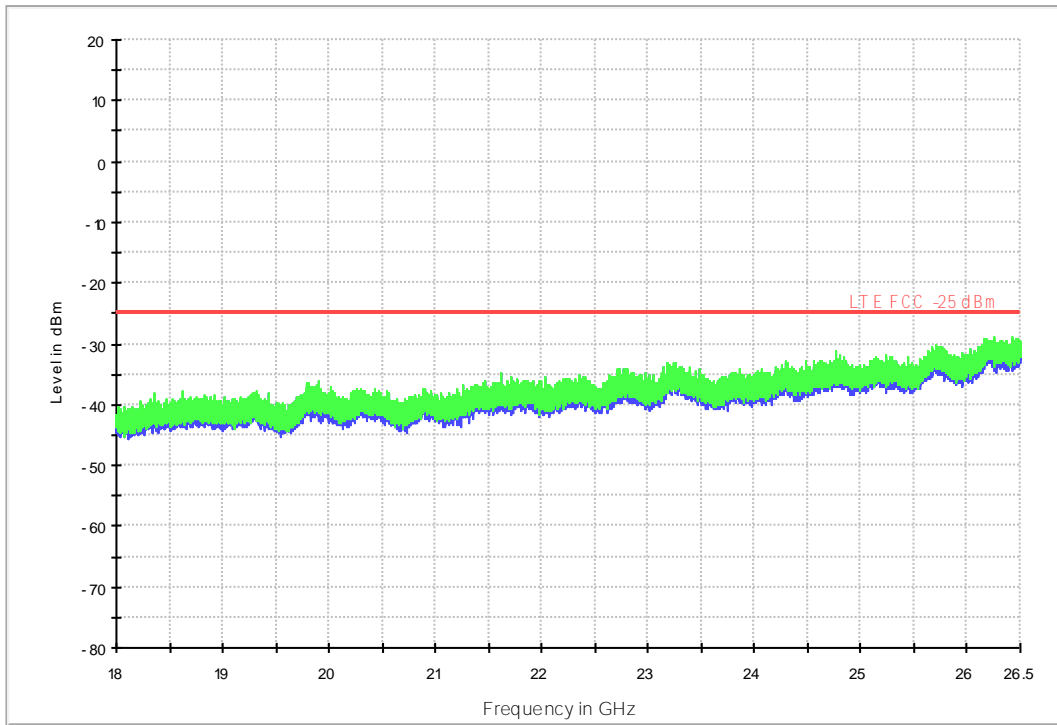
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G-26.5G R SE-TX-DIRECTOR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_2C	LTE/TM1	20+5	LCH	TN	VL	-41.56000	-0.02234	PASS
					VN	-50.90000	-0.02737	PASS
					VH	-3.59000	-0.00193	PASS
			MCH	TN	VL	-19.20000	-0.01023	PASS
					VN	-10.39000	-0.00553	PASS
					VH	-11.06000	-0.00589	PASS
			HCH	TN	VL	-12.00000	-0.00633	PASS
					VN	-7.88000	-0.00416	PASS
					VH	-5.01000	-0.00264	PASS
		20+20	LCH	TN	VL	-12.62000	-0.00678	PASS
					VN	4.39000	0.00236	PASS
					VH	-37.68000	-0.02026	PASS
			MCH	TN	VL	-16.21000	-0.00867	PASS
					VN	-2.15000	-0.00115	PASS
					VH	-3.30000	-0.00176	PASS
	HCH		TN	VL	-9.21000	-0.00490	PASS	
				VN	-17.78000	-0.00946	PASS	
				VH	-4.03000	-0.00214	PASS	
	LTE/TM2	20+5	LCH	TN	VL	-191.83000	-0.10313	PASS
					VN	-12.29000	-0.00661	PASS
					VH	0.41000	0.00022	PASS
			MCH	TN	VL	-9.07000	-0.00483	PASS
					VN	-14.25000	-0.00759	PASS
					VH	-6.08000	-0.00324	PASS
			HCH	TN	VL	-10.60000	-0.00559	PASS
					VN	-10.60000	-0.00559	PASS
					VH	-12.90000	-0.00681	PASS
		20+20	LCH	TN	VL	-10.04000	-0.00540	PASS
					VN	0.59000	0.00032	PASS
					VH	-15.03000	-0.00808	PASS
MCH			TN	VL	0.51000	0.00027	PASS	
				VN	-74.10000	-0.03962	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-12.25000	-0.00655	PASS
			HCH	TN	VL	12.85000	0.00683	PASS
					VN	-2.30000	-0.00122	PASS
					VH	14.62000	0.00778	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
CA_2C	LTE/TM1	20+5	LCH	VN	-30	2.79000	0.00150	PASS		
					-20	-2.68000	-0.00144	PASS		
					-10	-9.01000	-0.00484	PASS		
					0	-11.20000	-0.00602	PASS		
					10	-8.87000	-0.00477	PASS		
					20	-50.90000	-0.02737	PASS		
					30	-11.13000	-0.00598	PASS		
					40	-6.04000	-0.00325	PASS		
			50	-9.16000	-0.00492	PASS				
					MCH	VN	-30	-4.61000	-0.00246	PASS
							-20	-6.68000	-0.00356	PASS
							-10	212.67000	0.11327	PASS
							0	-7.95000	-0.00423	PASS
							10	-10.50000	-0.00559	PASS
							20	-10.39000	-0.00553	PASS
							30	-9.26000	-0.00493	PASS
							40	-9.01000	-0.00480	PASS
					50	-9.64000	-0.00513	PASS		
					HCH	VN	-30	-6.31000	-0.00333	PASS
							-20	-10.64000	-0.00561	PASS
							-10	-9.26000	-0.00489	PASS
							0	-8.14000	-0.00430	PASS
							10	-4.79000	-0.00253	PASS
							20	-7.88000	-0.00416	PASS
				30			-10.37000	-0.00547	PASS	
				40			-6.12000	-0.00323	PASS	
				50	-9.26000	-0.00489	PASS			
				20+20	LCH	VN	-30	-9.43000	-0.00507	PASS
			-20	352.92000			0.18974	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-4.06000	-0.00218	PASS	
					0	31.27000	0.01681	PASS	
					10	-4.28000	-0.00230	PASS	
					20	4.39000	0.00236	PASS	
					30	-0.14000	-0.00008	PASS	
					40	-13.62000	-0.00732	PASS	
					50	-13.40000	-0.00720	PASS	
			MCH	VN	-30	-0.40000	-0.00021	PASS	
					-20	-6.68000	-0.00357	PASS	
					-10	-14.26000	-0.00763	PASS	
					0	-22.24000	-0.01189	PASS	
					10	-11.87000	-0.00635	PASS	
					20	-2.15000	-0.00115	PASS	
					30	-16.82000	-0.00899	PASS	
			HCH	VN	-40	-8.74000	-0.00467	PASS	
					50	-17.37000	-0.00929	PASS	
					-30	-7.61000	-0.00405	PASS	
					-20	-4.85000	-0.00258	PASS	
					-10	0.01000	0.00001	PASS	
					0	-3.03000	-0.00161	PASS	
	10	-10.53000			-0.00560	PASS			
	20	-17.78000			-0.00946	PASS			
	LCH	VN	30	-12.45000	-0.00662	PASS			
			40	-3.08000	-0.00164	PASS			
			50	-0.80000	-0.00043	PASS			
			-30	-343.05000	-0.18444	PASS			
			-20	13.72000	0.00738	PASS			
			-10	-13.28000	-0.00714	PASS			
			0	-12.04000	-0.00647	PASS			
			10	-12.70000	-0.00683	PASS			
			20	-12.29000	-0.00661	PASS			
			30	-11.64000	-0.00626	PASS			
	MCH	VN	40	-11.36000	-0.00611	PASS			
			50	-13.80000	-0.00742	PASS			
			-30	-13.72000	-0.00731	PASS			
			-20	-13.56000	-0.00722	PASS			
			-10	-10.76000	-0.00573	PASS			
						0	-16.31000	-0.00869	PASS
						10	-14.78000	-0.00787	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-14.25000	-0.00759	PASS		
					30	-0.74000	-0.00039	PASS		
					40	-15.21000	-0.00810	PASS		
					50	-15.06000	-0.00802	PASS		
			HCH	VN	-30	-11.37000	-0.00600	PASS		
					-20	-11.06000	-0.00584	PASS		
					-10	-12.50000	-0.00660	PASS		
					0	-13.38000	-0.00706	PASS		
					10	-10.56000	-0.00557	PASS		
					20	-10.60000	-0.00559	PASS		
					30	-12.27000	-0.00647	PASS		
					40	-10.47000	-0.00553	PASS		
			50	-12.92000	-0.00682	PASS				
			20+20	LCH	VN	-30	42.41000	0.02280	PASS	
						-20	57.02000	0.03066	PASS	
						-10	-7.51000	-0.00404	PASS	
		0				409.73000	0.22028	PASS		
		10				-6.28000	-0.00338	PASS		
		20				0.59000	0.00032	PASS		
		30				0.89000	0.00048	PASS		
		40				-15.75000	-0.00847	PASS		
		50				4.35000	0.00234	PASS		
		MCH				VN	-30	116.49000	0.06229	PASS
							-20	-11.42000	-0.00611	PASS
							-10	-2.62000	-0.00140	PASS
							0	-11.80000	-0.00631	PASS
							10	-14.82000	-0.00792	PASS
			20	-74.10000	-0.03962		PASS			
			30	-20.99000	-0.01122		PASS			
			40	-29.54000	-0.01580		PASS			
		50	-17.68000	-0.00945	PASS					
		HCH	VN	-30	-12.50000	-0.00665	PASS			
				-20	-8.97000	-0.00477	PASS			
				-10	-20.13000	-0.01071	PASS			
				0	-0.36000	-0.00019	PASS			
				10	-25.52000	-0.01357	PASS			
				20	-2.30000	-0.00122	PASS			
				30	-12.57000	-0.00669	PASS			
				40	-9.54000	-0.00507	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-18.55000	-0.00987	PASS

END