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	23.27	24.67	33	PASS
				partial RBs # 0	0 # 0	22.41	23.81	33	PASS
				full RBs # 0	0 # 0	21.50	22.90	33	PASS
				full RBs # 0	full RBs # 0	20.09	21.49	33	PASS
			MCH	1 # 0	0 # 0	23.64	25.04	33	PASS
				partial RBs # 0	0 # 0	22.50	23.90	33	PASS
				full RBs # 0	0 # 0	21.17	22.57	33	PASS
				full RBs # 0	full RBs # 0	20.67	22.07	33	PASS
			HCH	1 # 0	0 # 0	23.72	25.12	33	PASS
				partial RBs # 0	0 # 0	22.75	24.15	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				full RBs # 0	0 # 0	21.46	22.86	33	PASS
				full RBs # 0	full RBs # 0	20.50	21.90	33	PASS
		20+20	LCH	1 # 0	0 # 0	23.29	24.69	33	PASS
				partial RBs # 0	0 # 0	23.30	24.70	33	PASS
				full RBs # 0	0 # 0	22.22	23.62	33	PASS
				full RBs # 0	full RBs # 0	19.30	20.70	33	PASS
			MCH	1 # 0	0 # 0	23.77	25.17	33	PASS
				partial RBs # 0	0 # 0	23.76	25.16	33	PASS
				full RBs # 0	0 # 0	22.38	23.78	33	PASS
				full RBs # 0	full RBs # 0	19.86	21.26	33	PASS
			HCH	1 # 0	0 # 0	23.64	25.04	33	PASS
				partial	0 # 0	23.51	24.91	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RBs # 0					
				full RBs # 0	0 # 0	22.57	23.97	33	PASS
				full RBs # 0	full RBs # 0	19.96	21.36	33	PASS
	LTE/TM 2	20+5	LCH	1 # 0	0 # 0	22.72	24.12	33	PASS
				partial RBs # 0	0 # 0	21.33	22.73	33	PASS
				full RBs # 0	0 # 0	20.28	21.68	33	PASS
				full RBs # 0	full RBs # 0	19.10	20.50	33	PASS
			MCH	1 # 0	0 # 0	23.26	24.66	33	PASS
				partial RBs # 0	0 # 0	21.33	22.73	33	PASS
				full RBs # 0	0 # 0	20.33	21.73	33	PASS
				full RBs # 0	full RBs # 0	19.61	21.01	33	PASS
			HCH	1 # 0	0 # 0	23.36	24.76	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				partial RBs # 0	0 # 0	21.85	23.25	33	PASS
				full RBs # 0	0 # 0	20.38	21.78	33	PASS
				full RBs # 0	full RBs # 0	19.47	20.87	33	PASS
		20+20	LCH	1 # 0	0 # 0	22.94	24.34	33	PASS
				partial RBs # 0	0 # 0	22.33	23.73	33	PASS
				full RBs # 0	0 # 0	21.42	22.82	33	PASS
				full RBs # 0	full RBs # 0	18.51	19.91	33	PASS
			MCH	1 # 0	0 # 0	23.46	24.86	33	PASS
				partial RBs # 0	0 # 0	22.77	24.17	33	PASS
				full RBs # 0	0 # 0	21.34	22.74	33	PASS
				full RBs # 0	full RBs # 0	18.79	20.19	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	1 # 0	0 # 0	23.01	24.41	33	PASS
				partial RBs # 0	0 # 0	22.60	24.00	33	PASS
				full RBs # 0	0 # 0	21.23	22.63	33	PASS
				full RBs # 0	full RBs # 0	18.91	20.31	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,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP = Signal Generator Level

Note2:

SET Span = 1.5 * OBW

SET RBW = 1% of the OBW,not to exceed 1MHz

SET VBW >= 3 * RBW

SET Sweep time = 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	4.46	13	PASS
				partial RBs # 0	0 # 0	5.54	13	PASS
				full RBs # 0	0 # 0	6.47	13	PASS
				full RBs # 0	full RBs # 0	7.05	13	PASS
			MCH	1 # 0	0 # 0	3.93	13	PASS
				partial RBs # 0	0 # 0	4.97	13	PASS
				full RBs # 0	0 # 0	6.10	13	PASS
				full RBs # 0	full RBs # 0	6.93	13	PASS
			HCH	1 # 0	0 # 0	4.44	13	PASS
				partial RBs # 0	0 # 0	5.54	13	PASS
				full RBs #	0 # 0	6.52	13	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	Limit [dBm]	Verdict
				0				
				full RBs # 0	full RBs # 0	7.17	13	PASS
		20+20	LCH	1 # 0	0 # 0	4.49	13	PASS
				partial RBs # 0	0 # 0	4.98	13	PASS
				full RBs # 0	0 # 0	6.21	13	PASS
				full RBs # 0	full RBs # 0	6.74	13	PASS
			MCH	1 # 0	0 # 0	4.74	13	PASS
				partial RBs # 0	0 # 0	4.77	13	PASS
				full RBs # 0	0 # 0	5.94	13	PASS
				full RBs # 0	full RBs # 0	6.63	13	PASS
			HCH	1 # 0	0 # 0	3.84	13	PASS
				partial RBs # 0	0 # 0	4.08	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	5.88	13	PASS
				full RBs # 0	full RBs # 0	6.40	13	PASS
	LTE/TM 2	20+5	LCH	1 # 0	0 # 0	4.84	13	PASS
				partial RBs # 0	0 # 0	6.29	13	PASS
				full RBs # 0	0 # 0	7.27	13	PASS
				full RBs # 0	full RBs # 0	7.80	13	PASS
			MCH	1 # 0	0 # 0	4.59	13	PASS
				partial RBs # 0	0 # 0	5.77	13	PASS
				full RBs # 0	0 # 0	6.97	13	PASS
				full RBs # 0	full RBs # 0	7.62	13	PASS
			HCH	1 # 0	0 # 0	5.22	13	PASS
				partial	0 # 0	6.16	13	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	Limit [dBm]	Verdict
				RBs # 0				
				full RBs # 0	0 # 0	7.29	13	PASS
				full RBs # 0	full RBs # 0	7.81	13	PASS
		20+20	LCH	1 # 0	0 # 0	4.95	13	PASS
				partial RBs # 0	0 # 0	5.71	13	PASS
				full RBs # 0	0 # 0	7.16	13	PASS
				full RBs # 0	full RBs # 0	7.77	13	PASS
			MCH	1 # 0	0 # 0	5.41	13	PASS
				partial RBs # 0	0 # 0	5.63	13	PASS
				full RBs # 0	0 # 0	6.66	13	PASS
				full RBs # 0	full RBs # 0	7.45	13	PASS
			HCH	1 # 0	0 # 0	4.44	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	PCC Test RB	SCC Test RB	Measured[dBm]	Limit [dBm]	Verdict
				partial RBs # 0	0 # 0	5.18	33	PASS
				full RBs # 0	0 # 0	6.78	33	PASS
				full RBs # 0	full RBs # 0	7.45	33	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

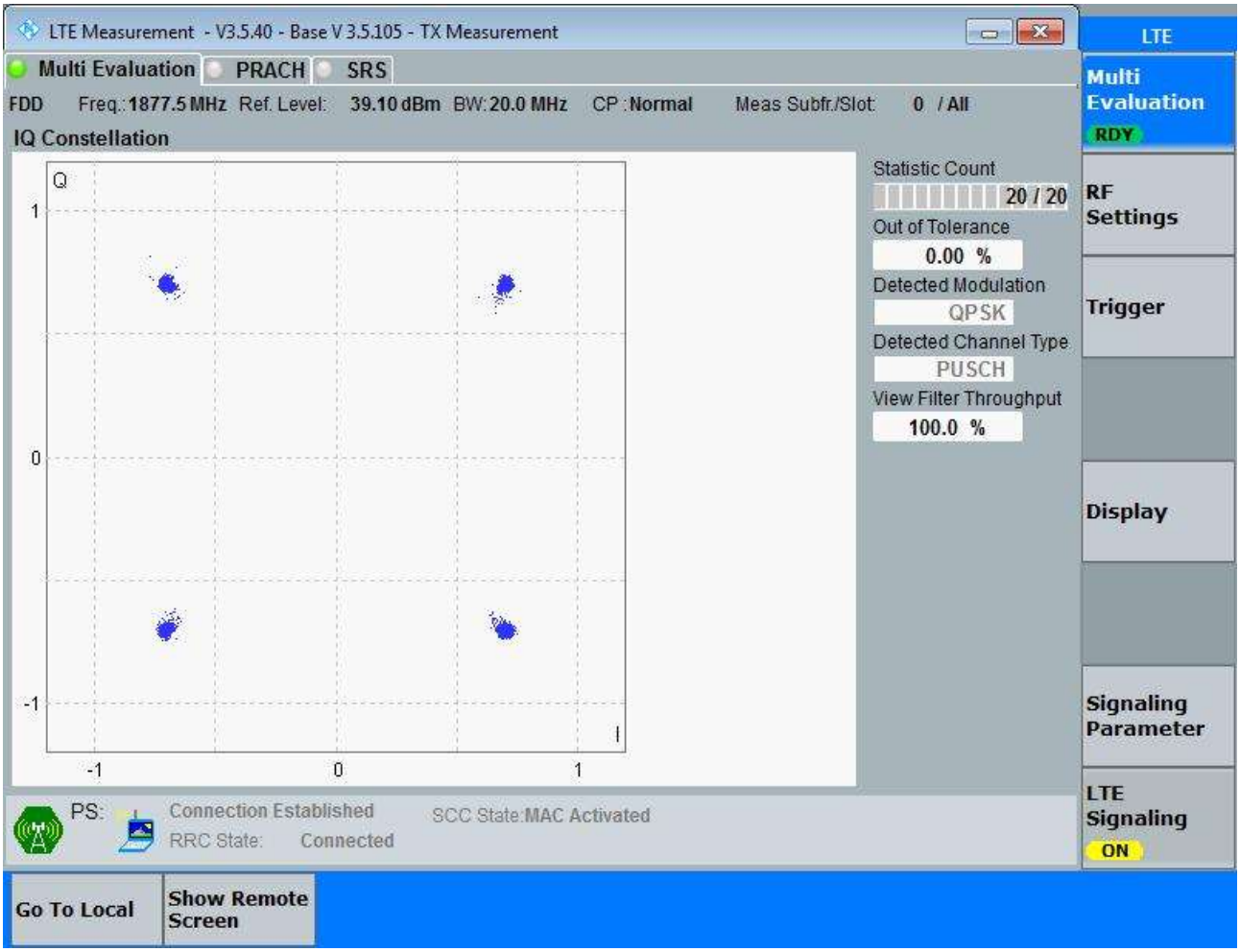
3.1.1 Test Band = CA_2C

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

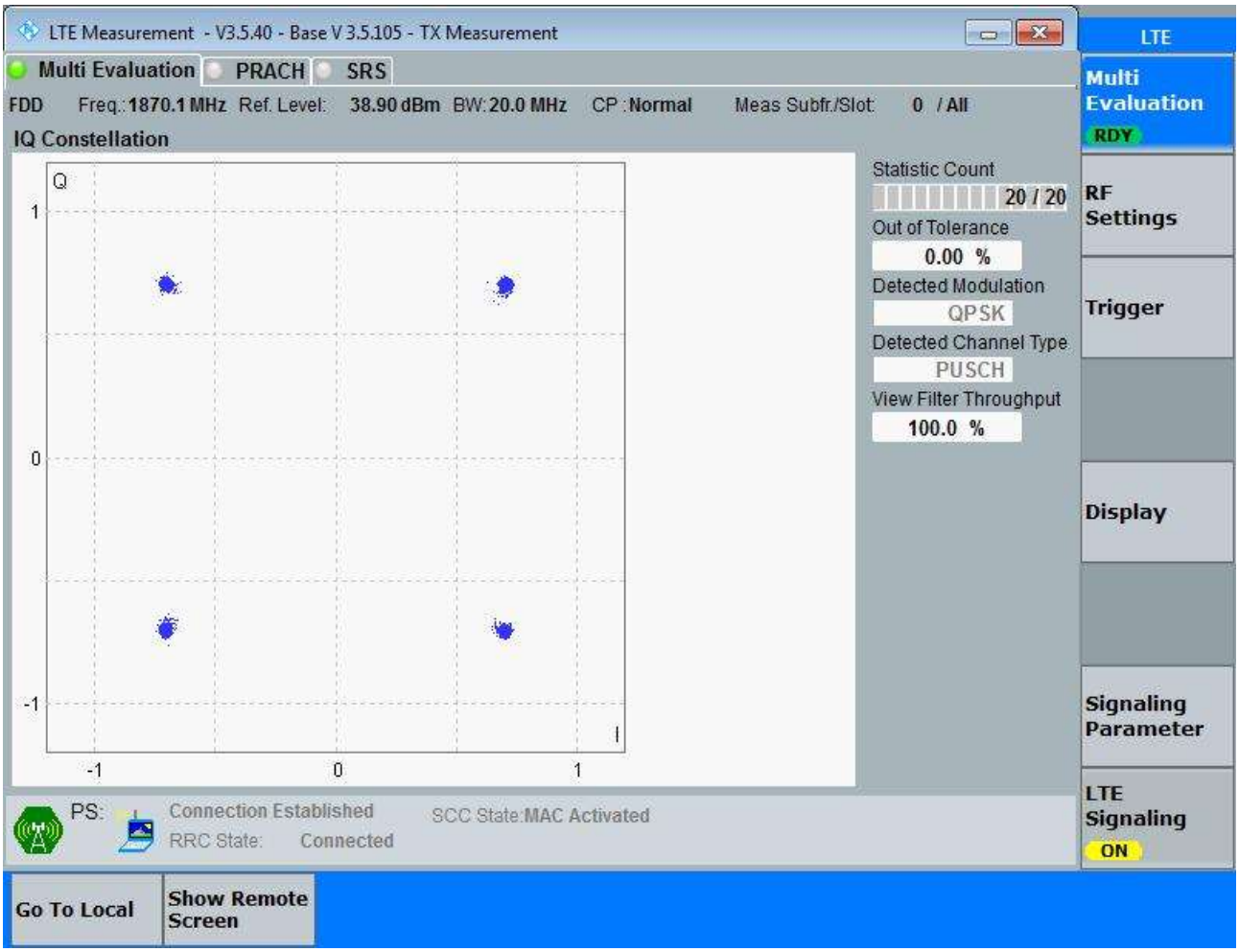
3.1.1.1.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



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

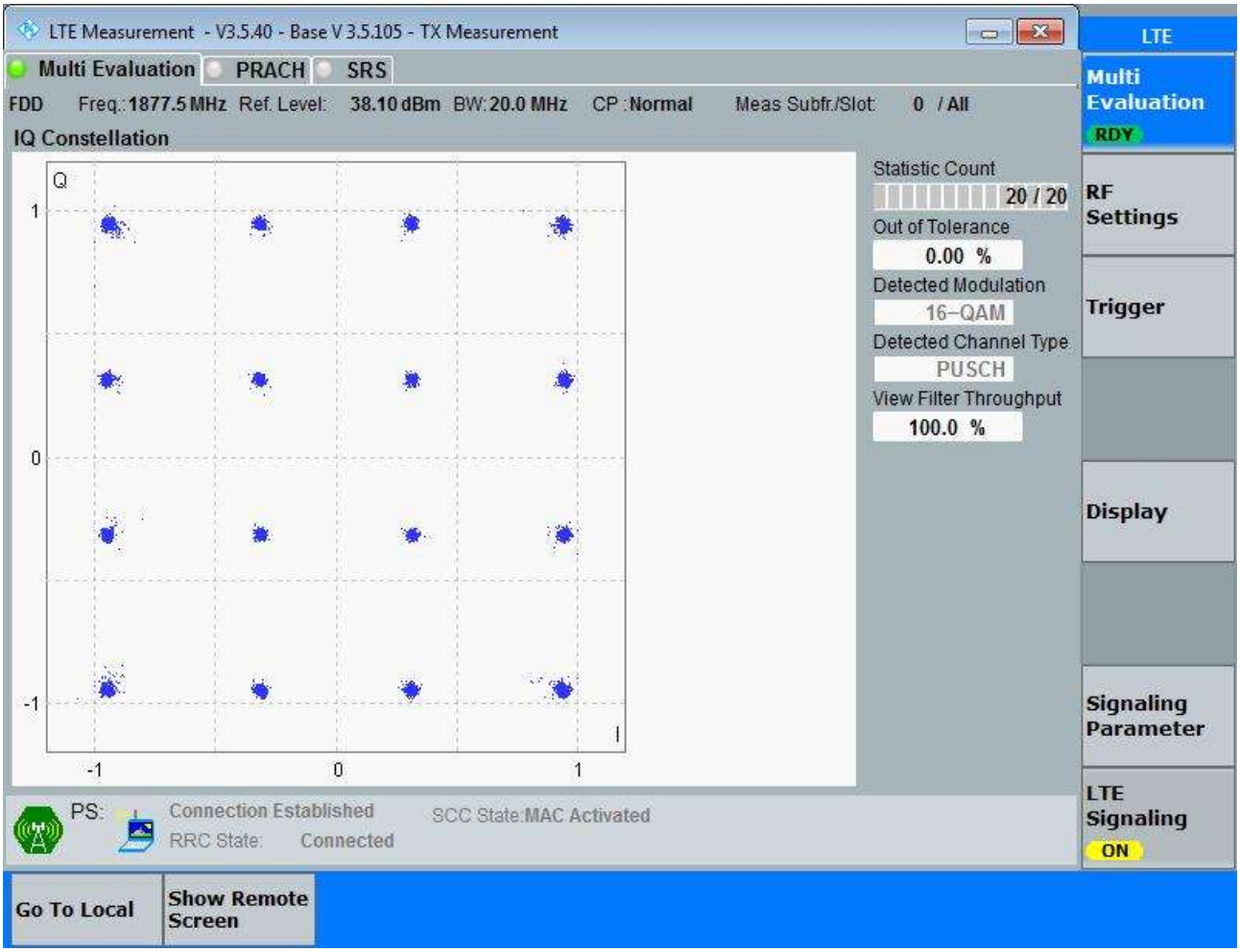


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 20+5

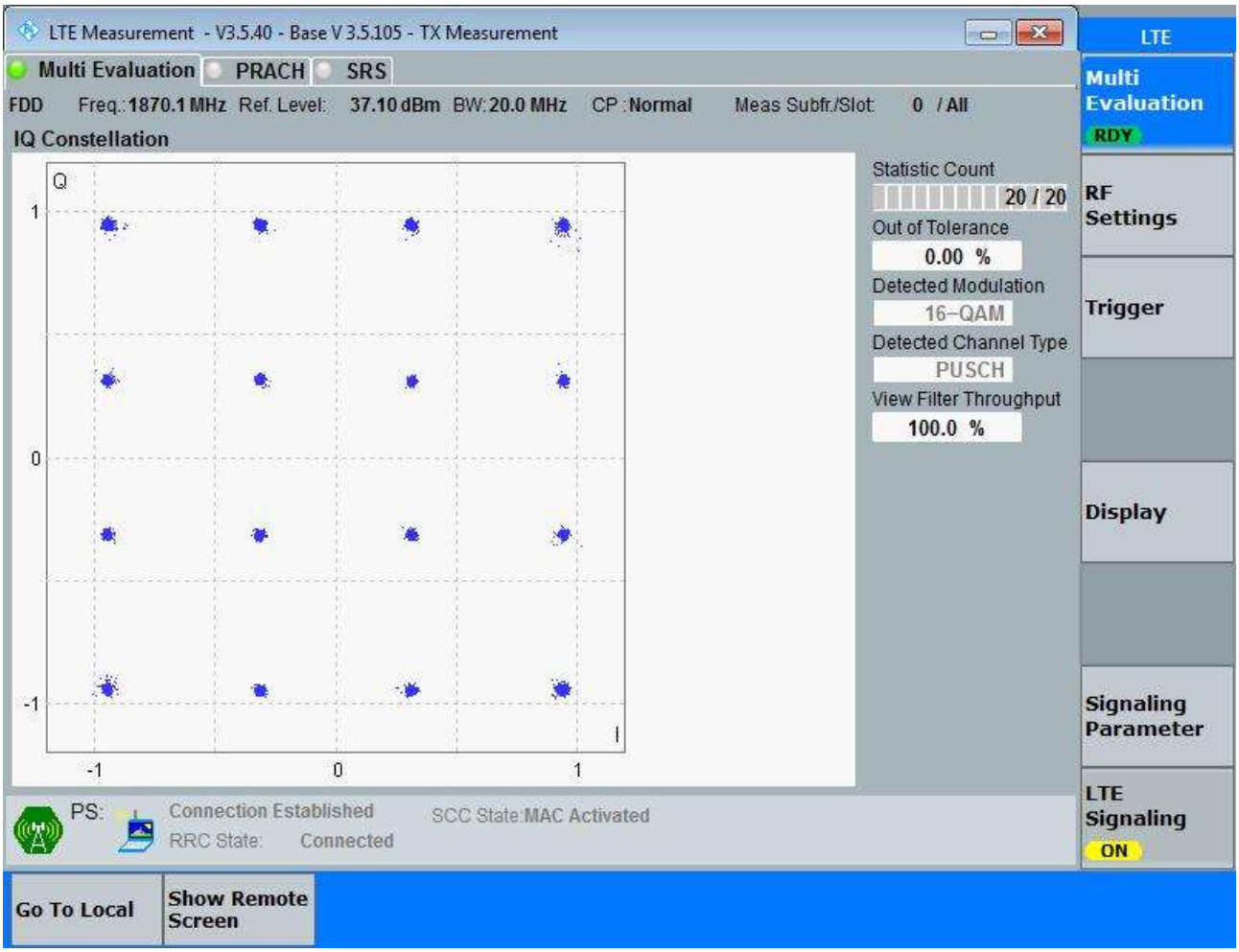
3.1.1.2.1.1 Test Channel = MCH

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 Bandwidth	Test Channel	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	23.52	25.53	PASS
			MCH	full RBs # 0	full RBs # 0	23.42	25.46	PASS
			HCH	full RBs # 0	full RBs # 0	23.56	25.49	PASS
		20+20	LCH	full RBs # 0	full RBs # 0	38.45	41.61	PASS
			MCH	full RBs # 0	full RBs # 0	38.43	41.23	PASS
			HCH	full RBs # 0	full RBs # 0	38.44	41.48	PASS
	LTE/ TM2	20+5	LCH	full RBs # 0	full RBs # 0	23.48	25.46	PASS
			MCH	full RBs # 0	full RBs # 0	23.44	25.40	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	23.48	25.38	PASS
		20+20	LCH	full RBs # 0	full RBs # 0	38.42	41.30	PASS
			MCH	full RBs # 0	full RBs # 0	38.44	41.21	PASS
			HCH	full RBs # 0	full RBs # 0	38.37	41.31	PASS

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = CA_2C

4.1.1.1 Test Mode = LTE/TM1

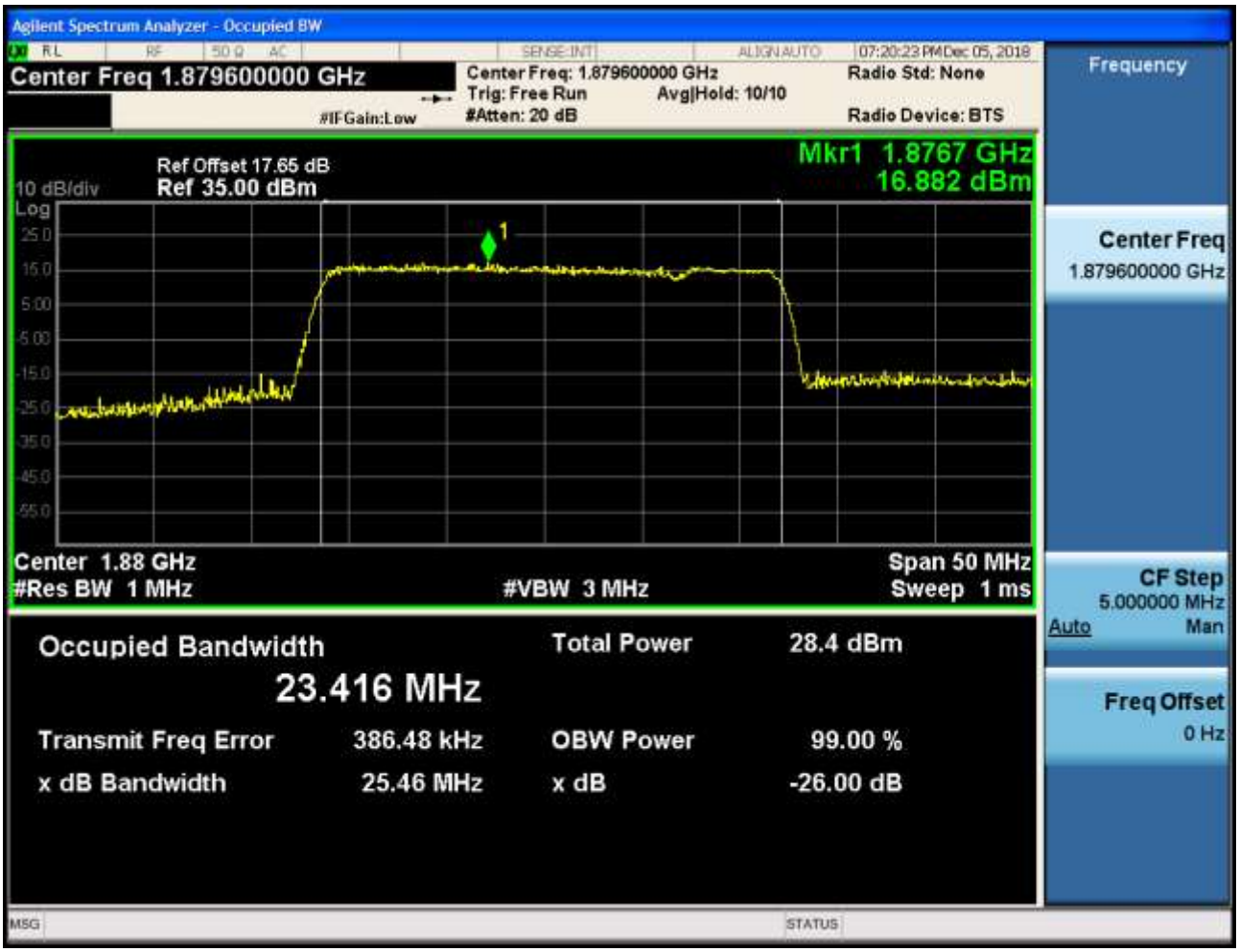
4.1.1.1.1 Test Bandwidth = 20+5

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

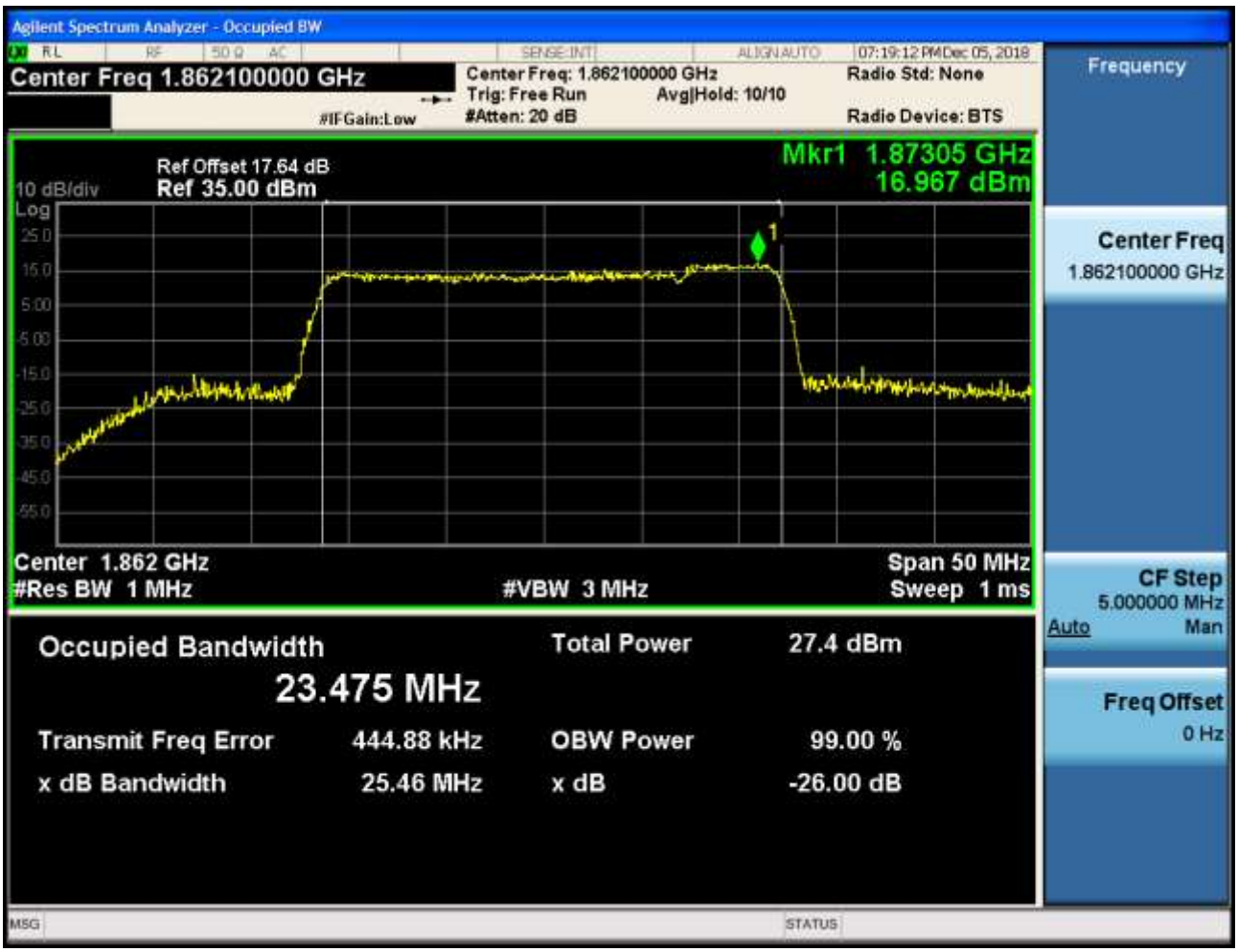
4.1.1.1.2.3.1 PCC Test RB = full RBs & SCC Test RB = full RBs

4.1.1.1 Test Mode = LTE/TM2

4.1.1.1.1 Test Bandwidth = 20+5

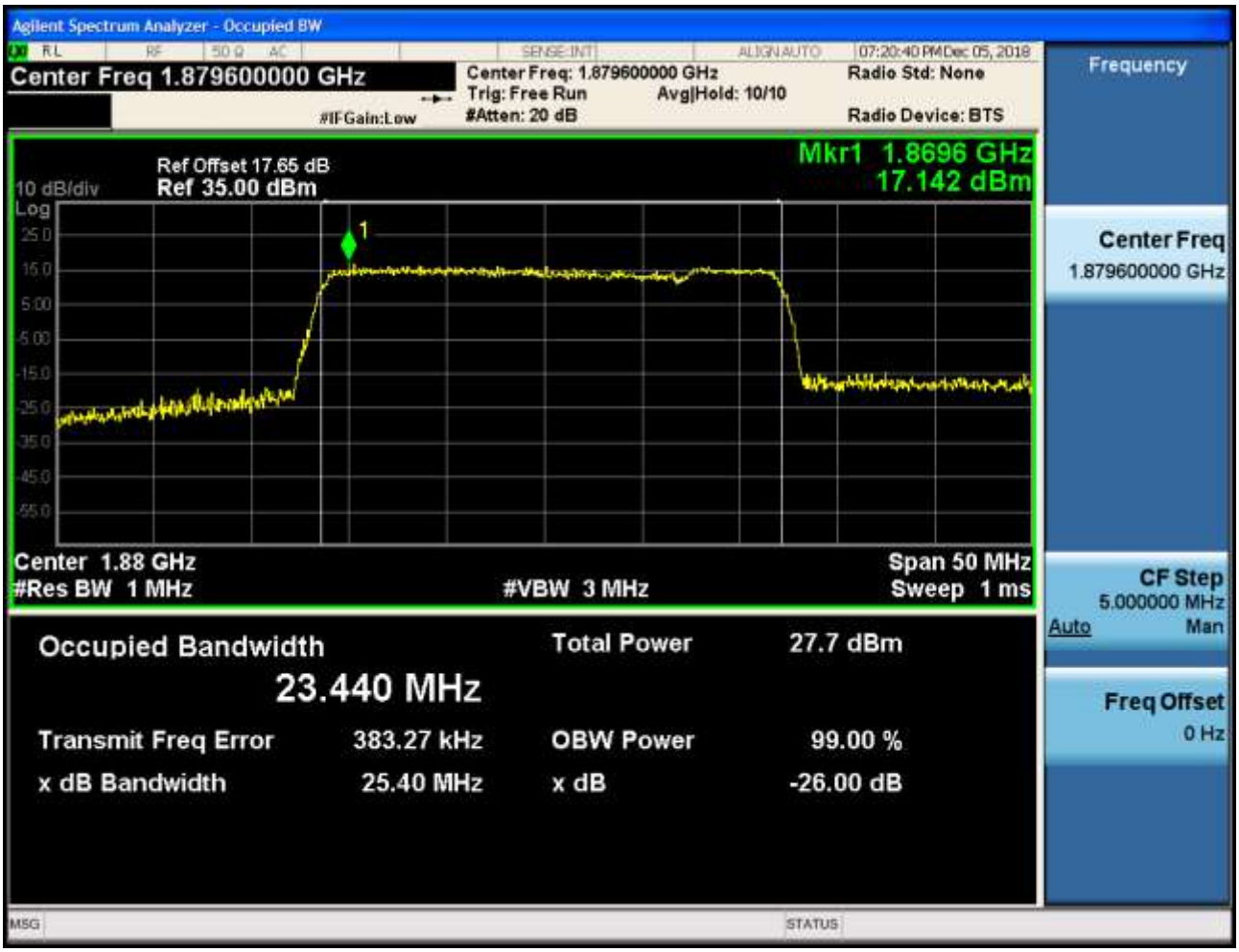
4.1.1.1.1.1 Test Channel = LCH

####### 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

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

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

5.1.1.1.1.1.4 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

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

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

5.1.1.1.1.2.4 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

5.1.1.2.1.1.3 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

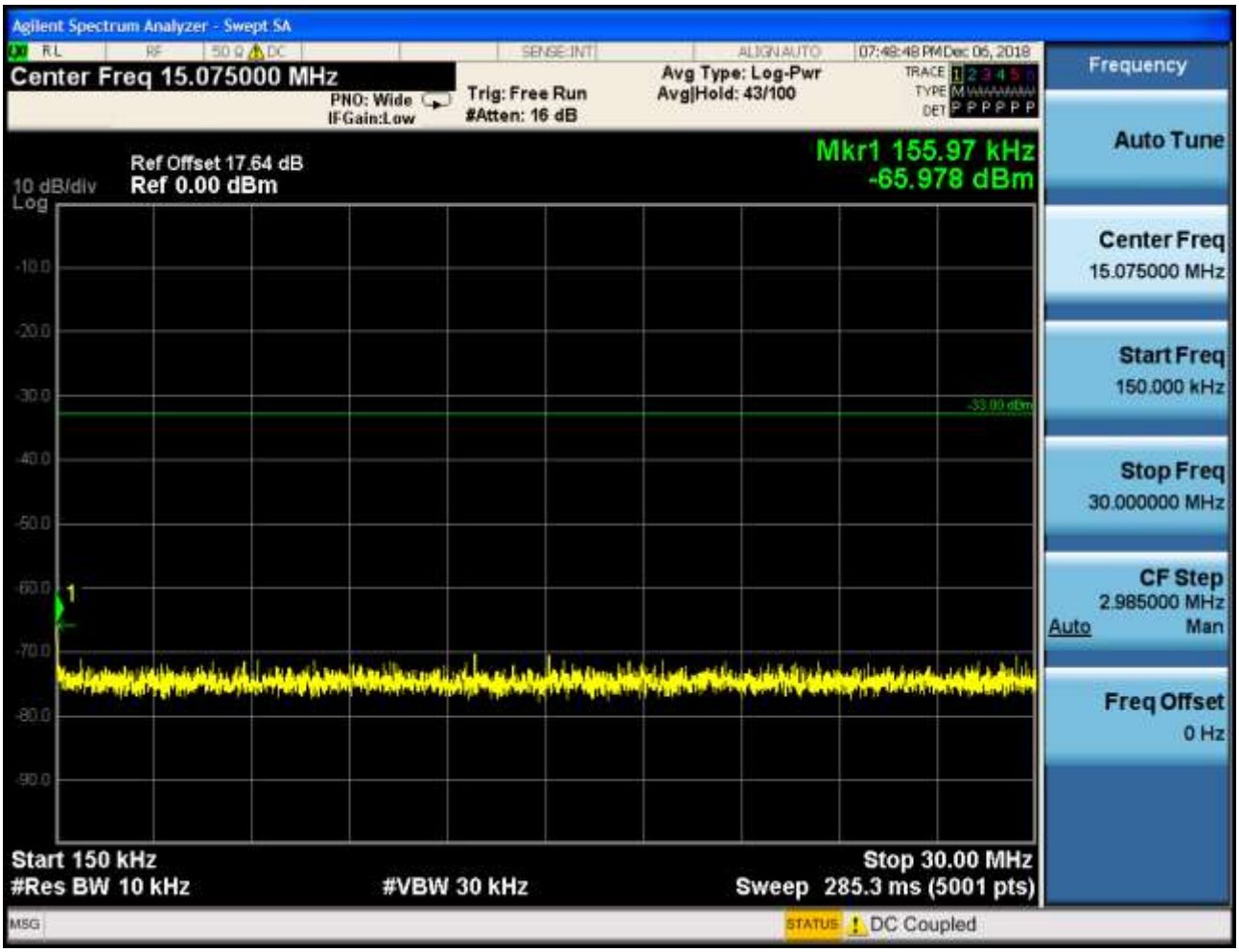
6.1.1 Test Band = CA_2C

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 20+5

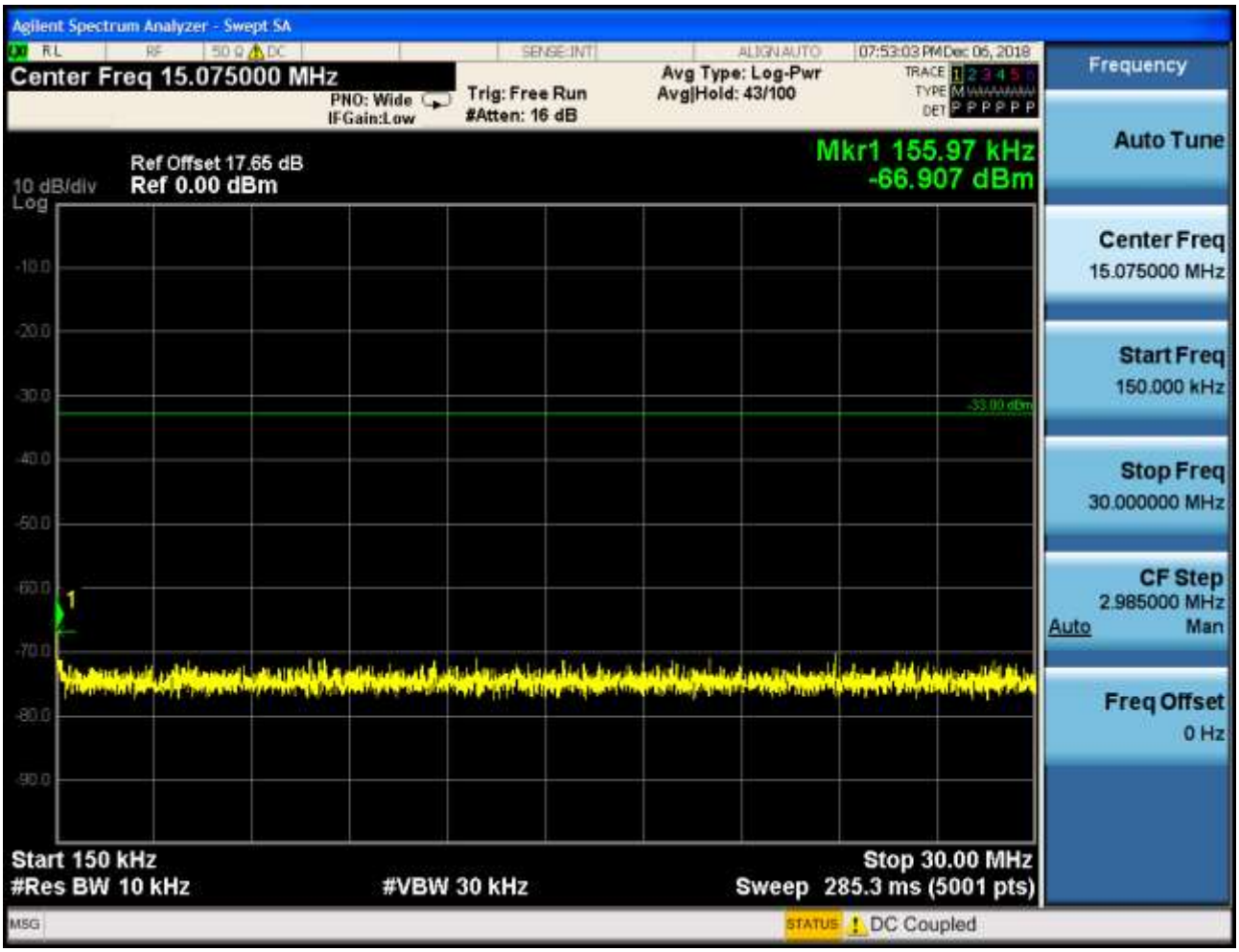
6.1.1.1.1.1 Test Channel = LCH

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



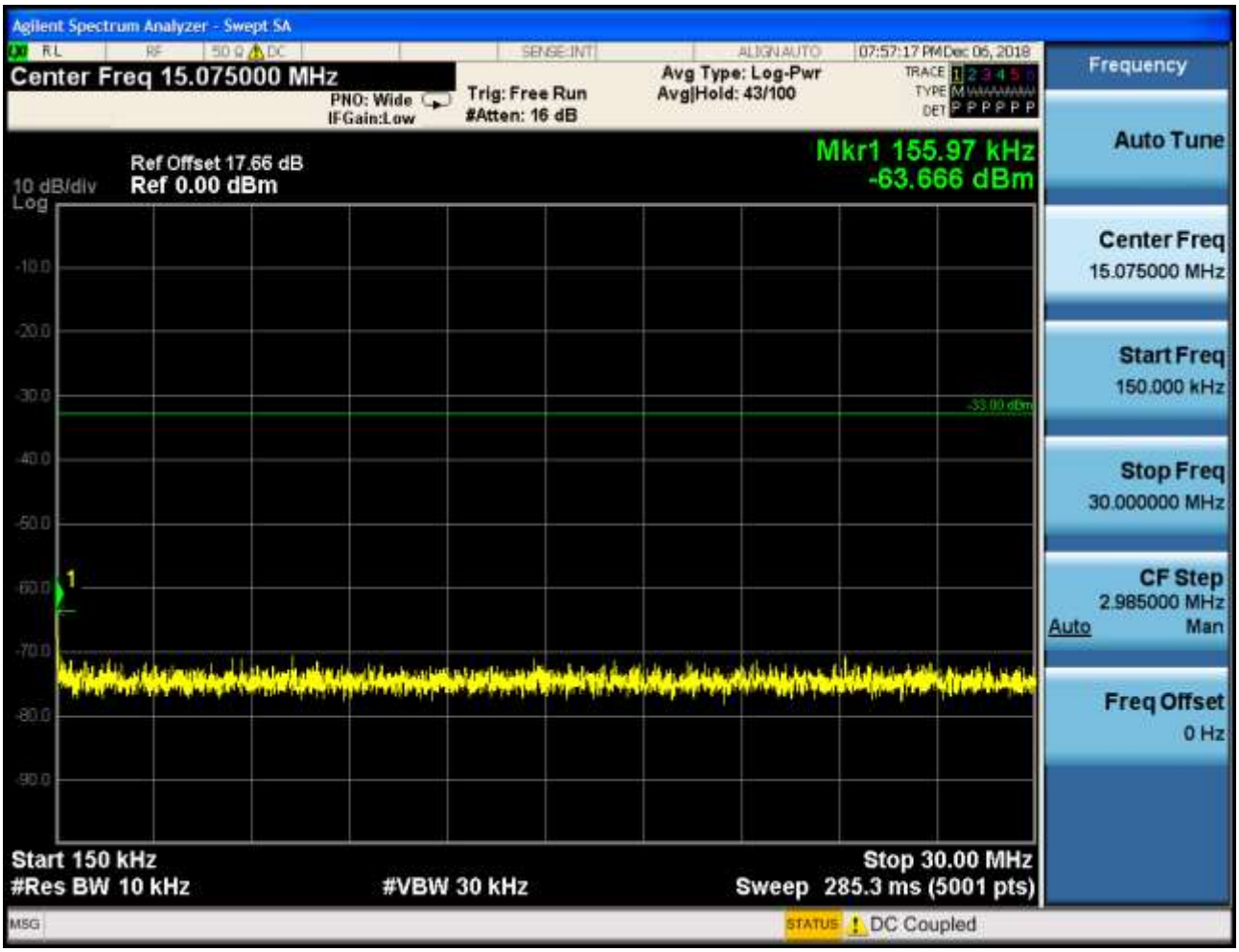
6.1.1.1.1.2 Test Channel = MCH

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

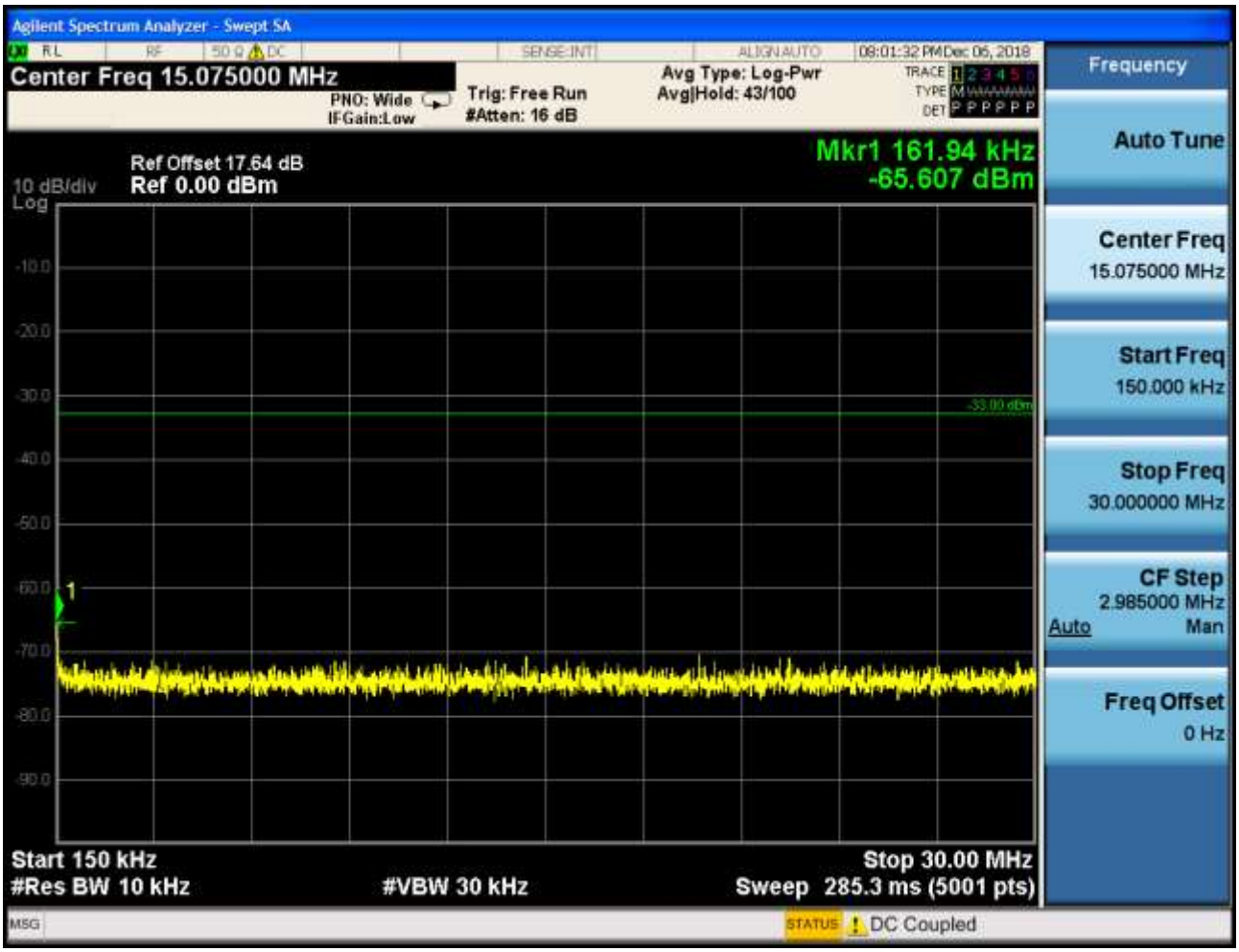
6.1.1.1.1.3.1 PCC Test RB = 1#0 & SCC Test RB = 0



6.2.1.1.2 Test Bandwidth = 20+20

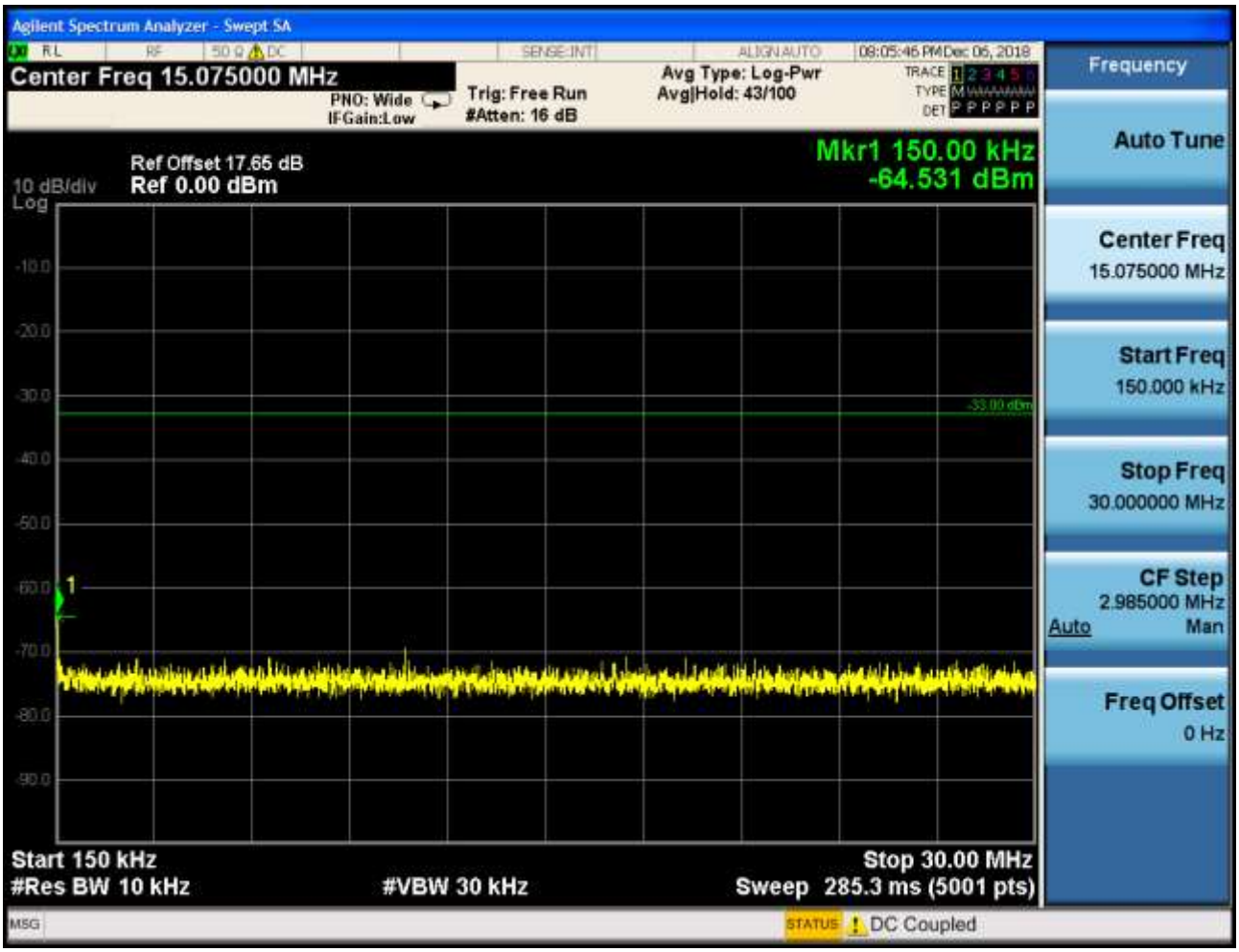
6.2.1.1.2.1 Test Channel = LCH

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



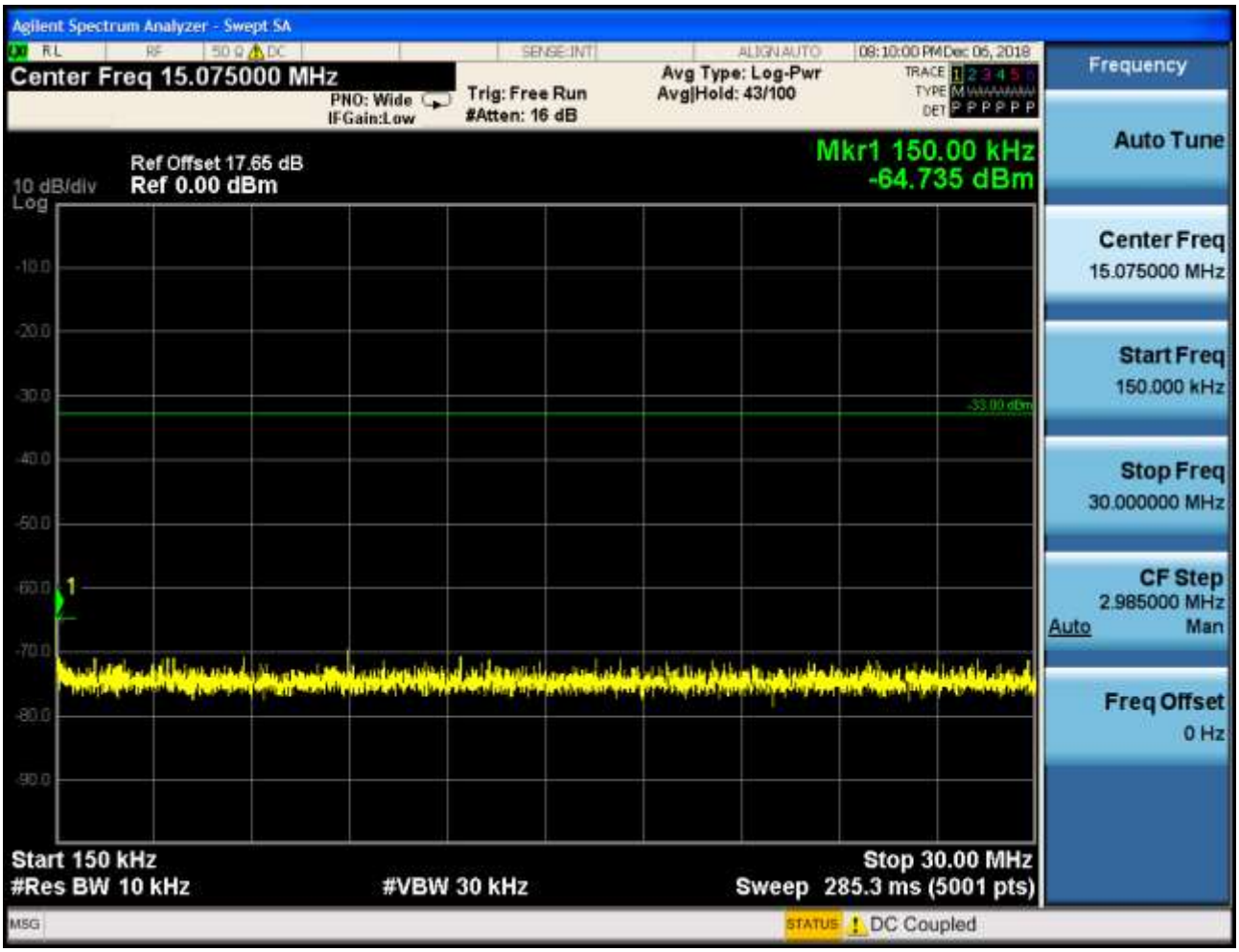
6.2.1.1.2.2 Test Channel = MCH

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

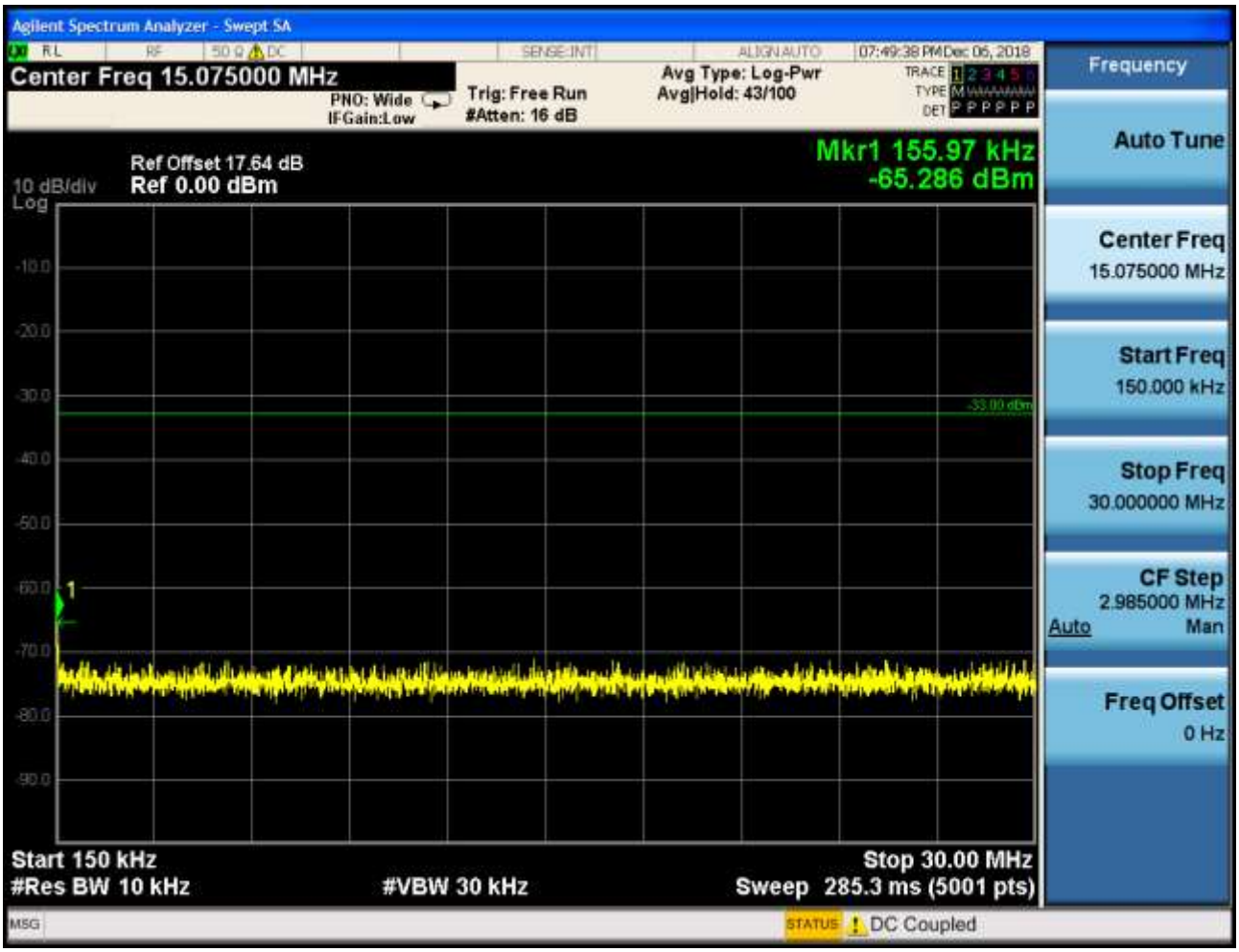


6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 20+5

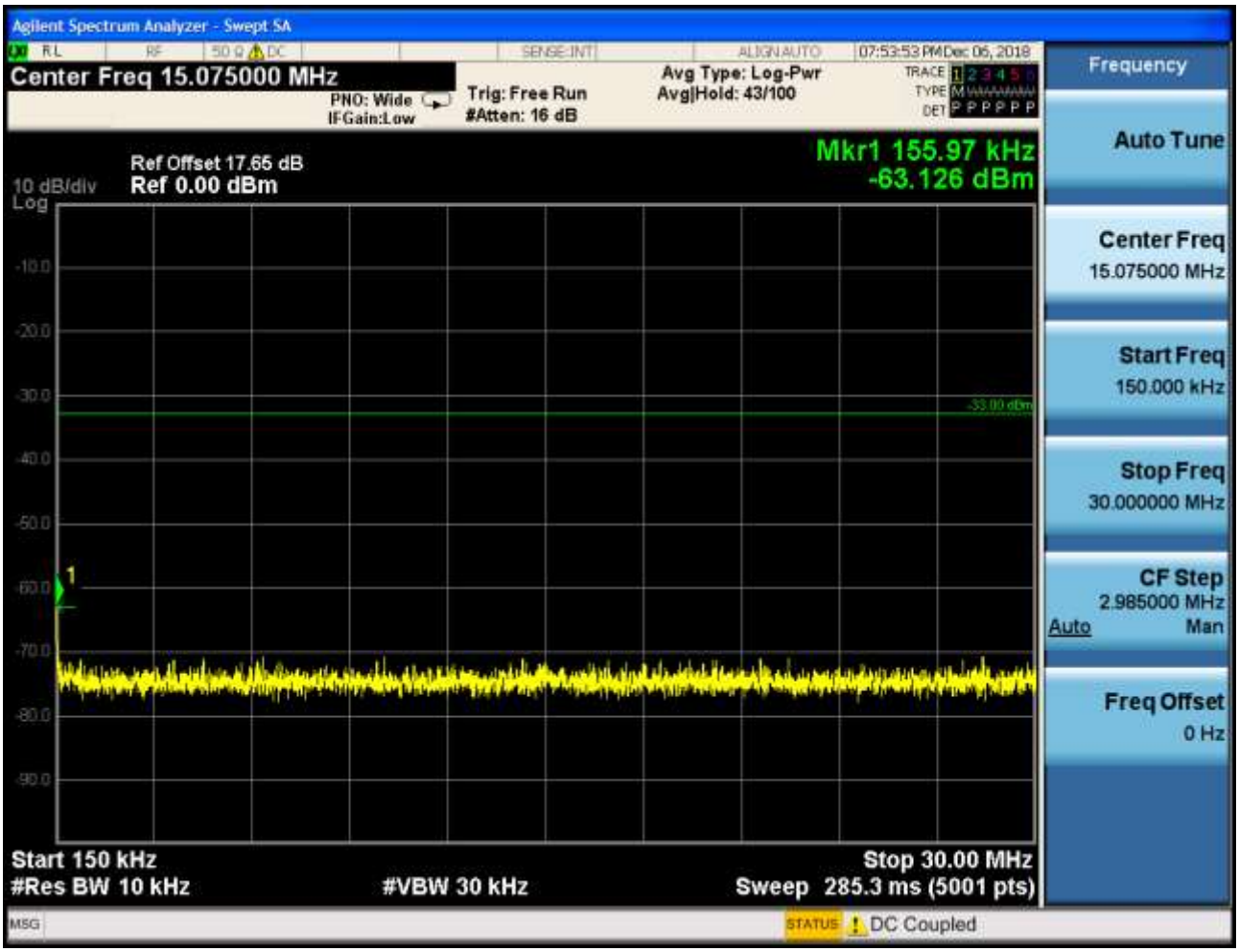
6.2.1.2.1.1 Test Channel = LCH

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



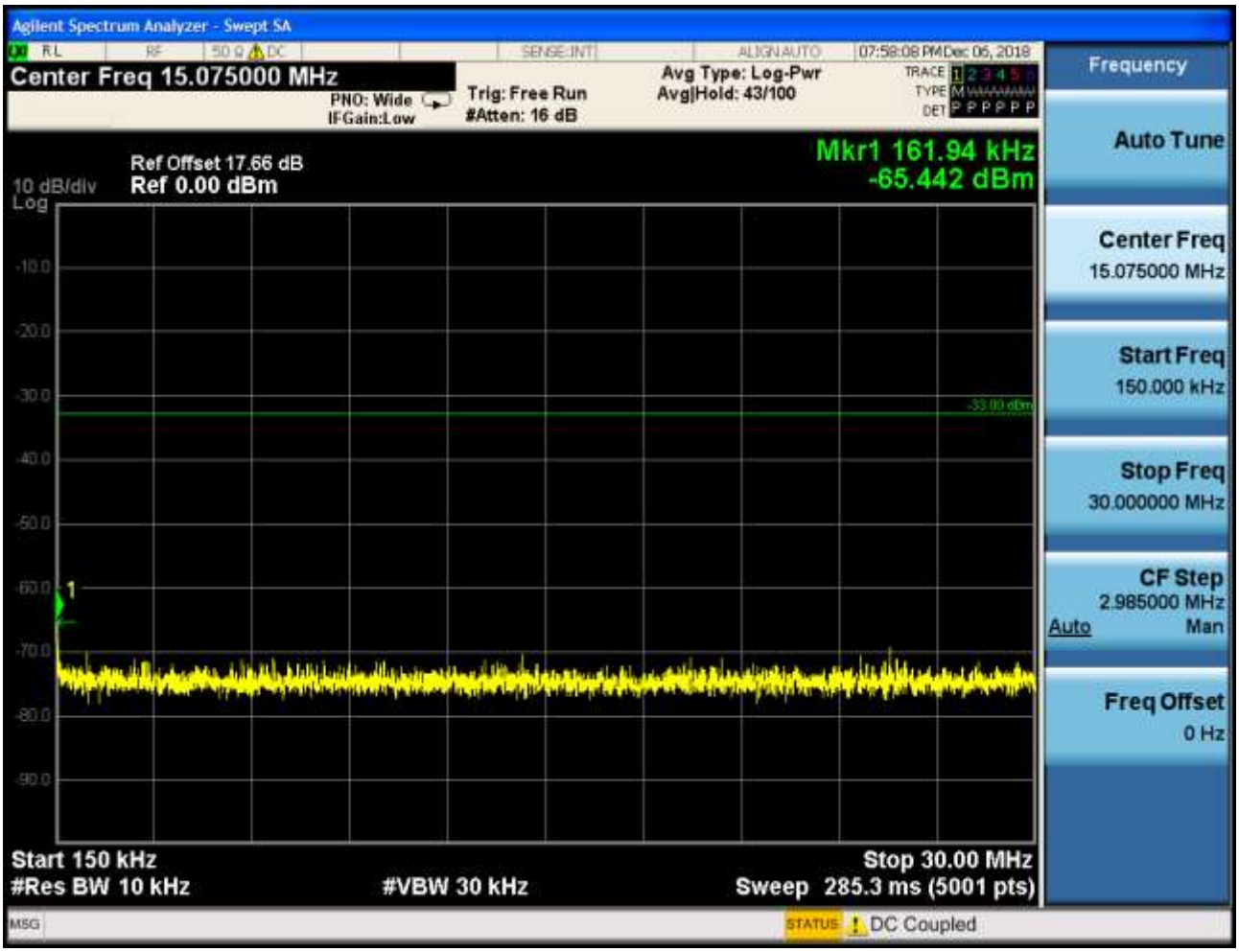
6.2.1.2.1.2 Test Channel = MCH

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

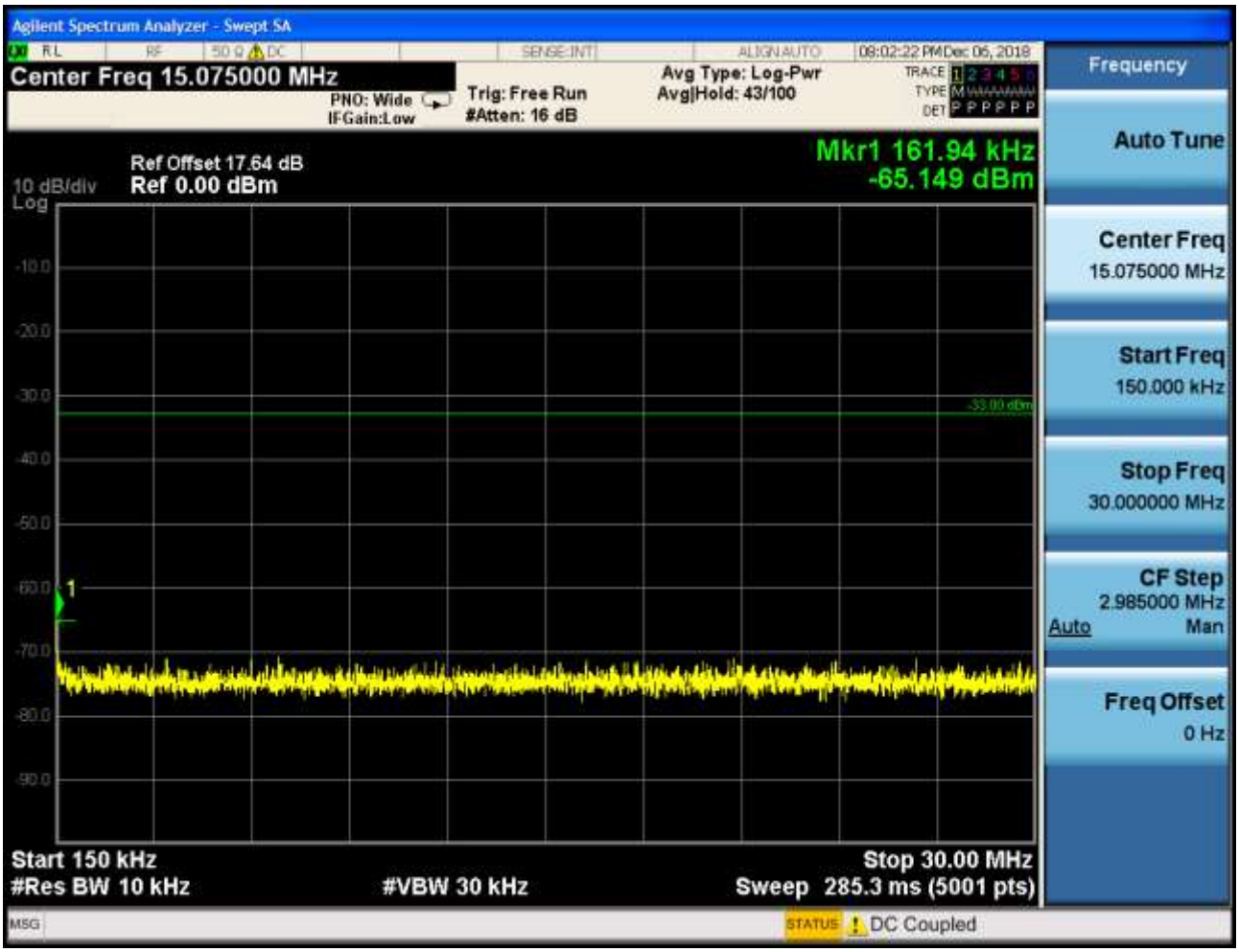
6.1.1.2.1.3.1 PCC Test RB = 1#0 & SCC Test RB = 0



6.2.1.2.2 Test Bandwidth = 20+20

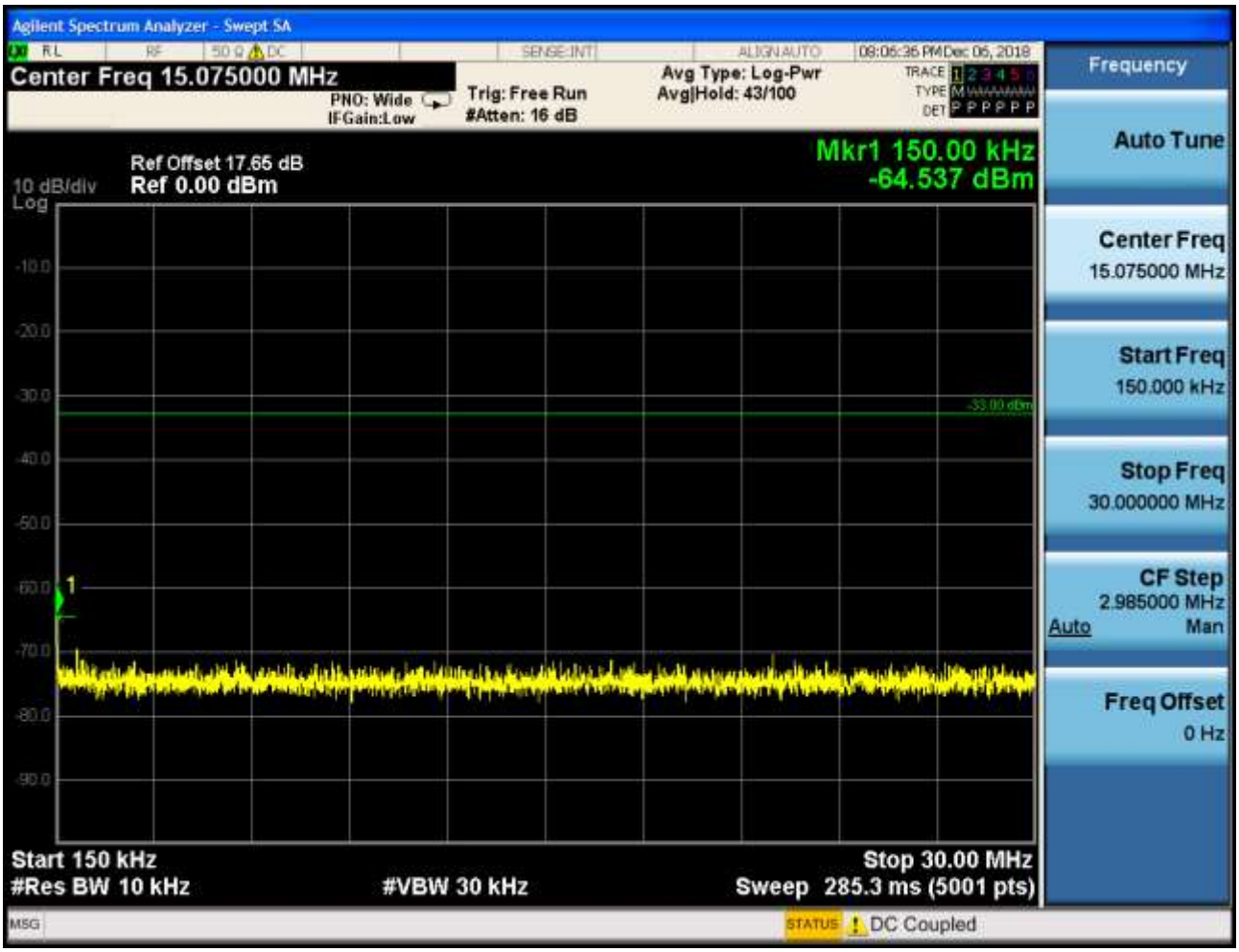
6.2.1.2.2.1 Test Channel = LCH

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



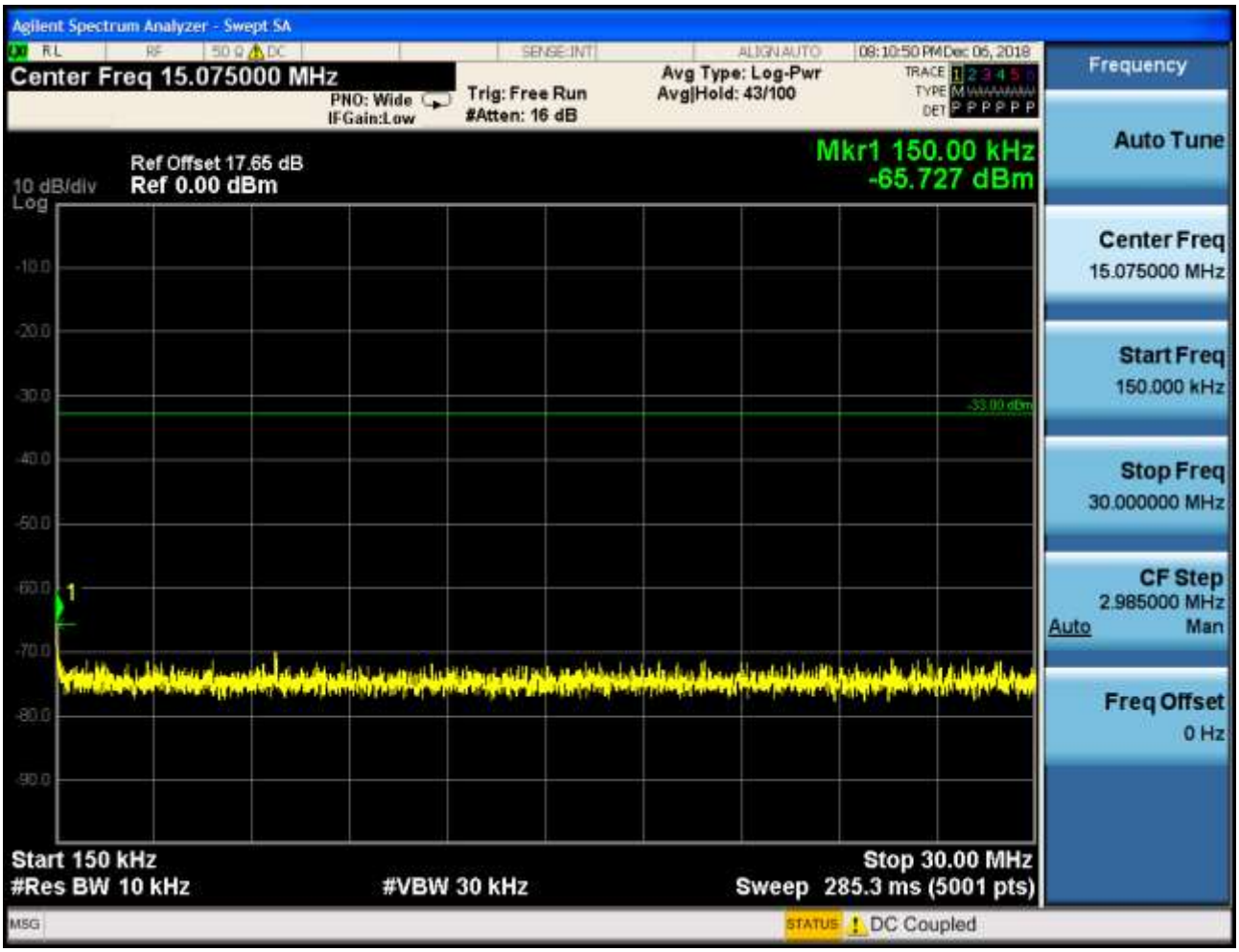
6.2.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 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

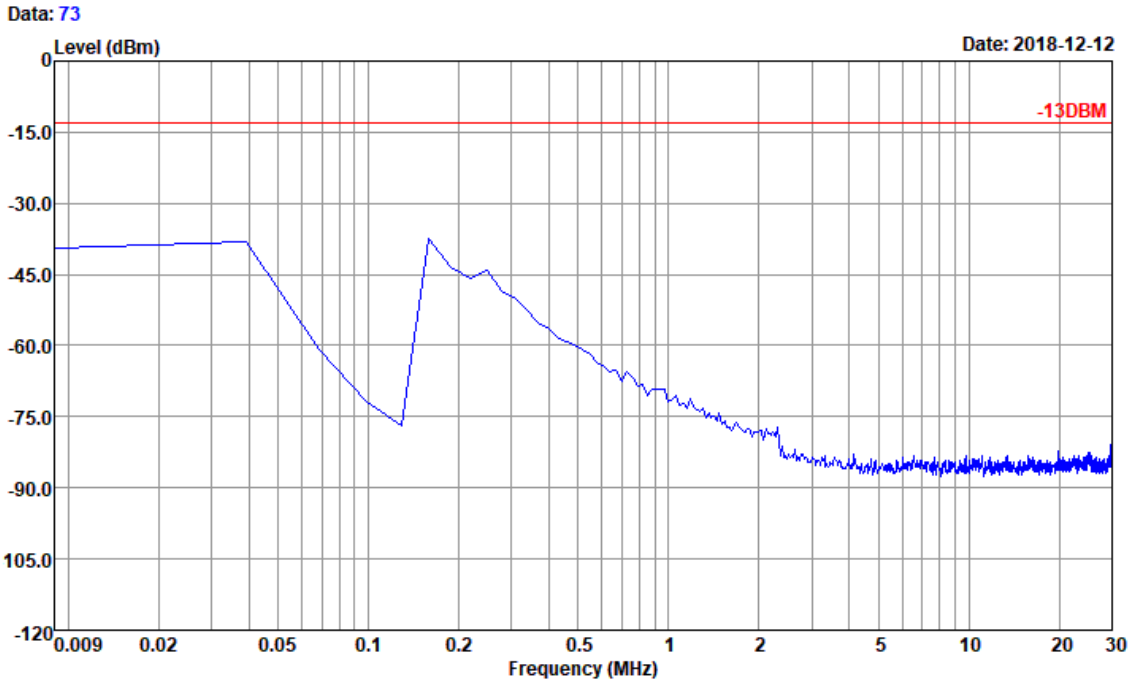
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

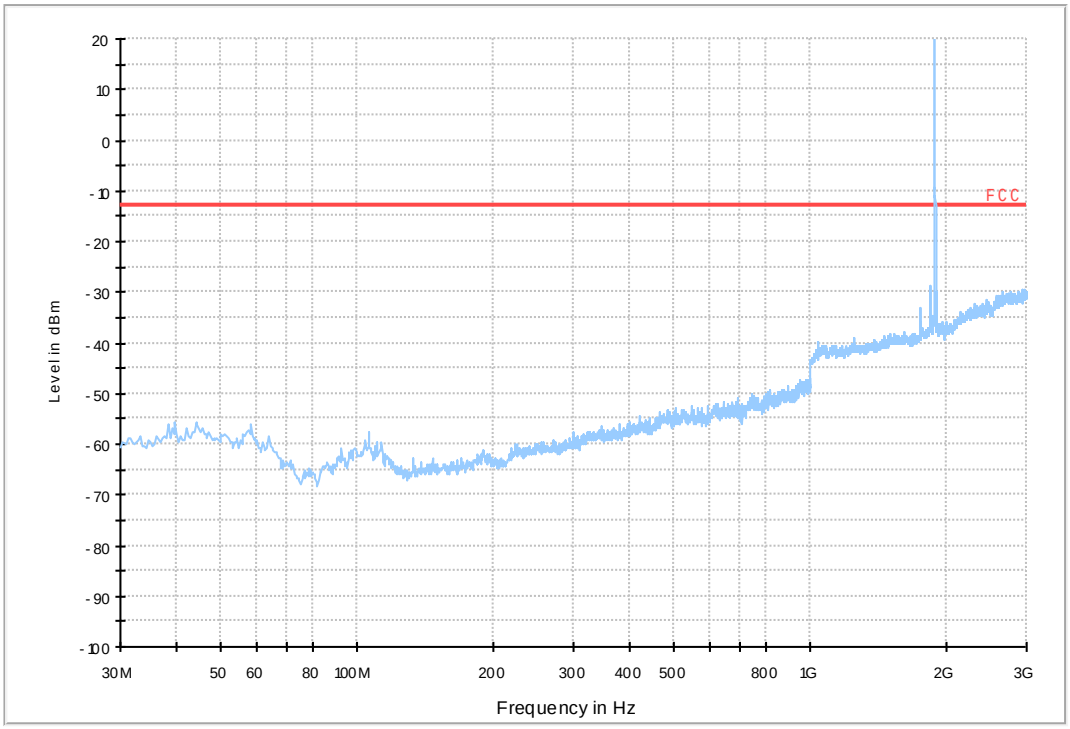
7.1.1 Test Band = CA_2C_ANT1

7.1.1.1 Test Bandwidth = 20+5

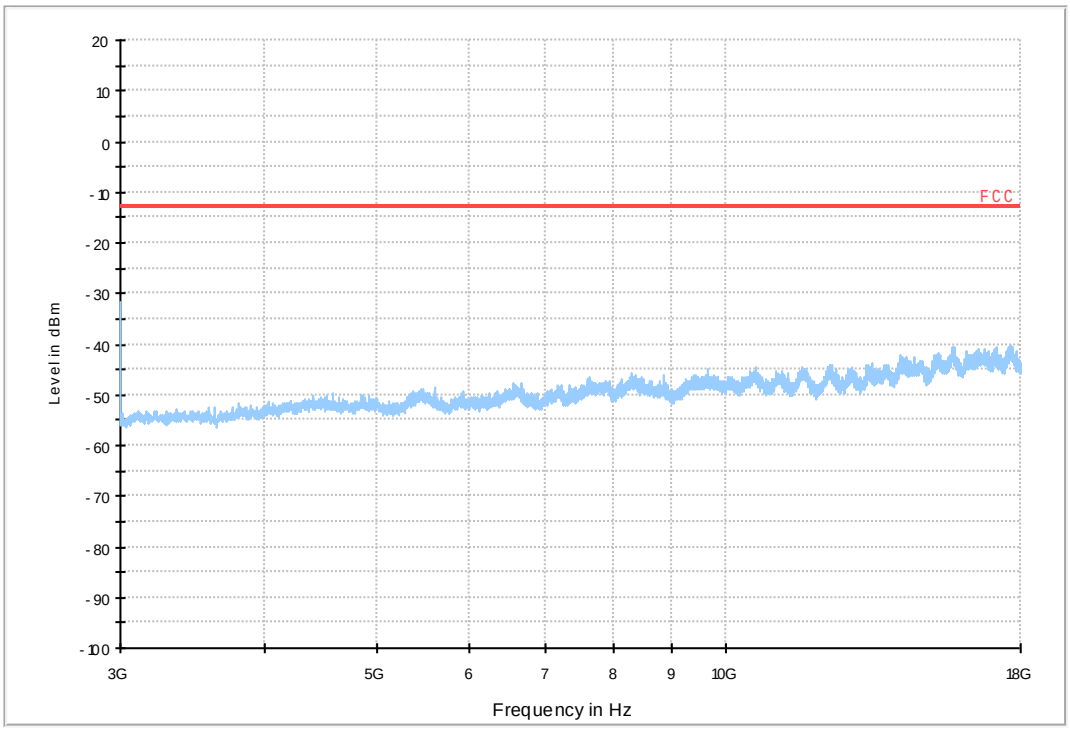


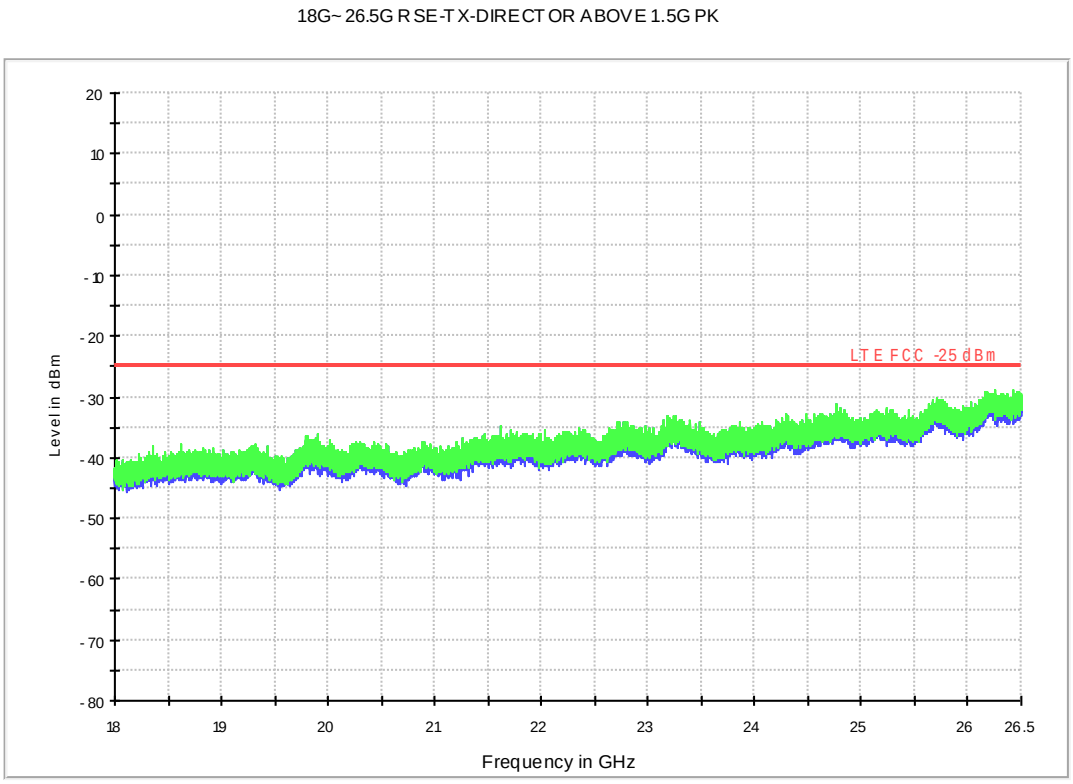
Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

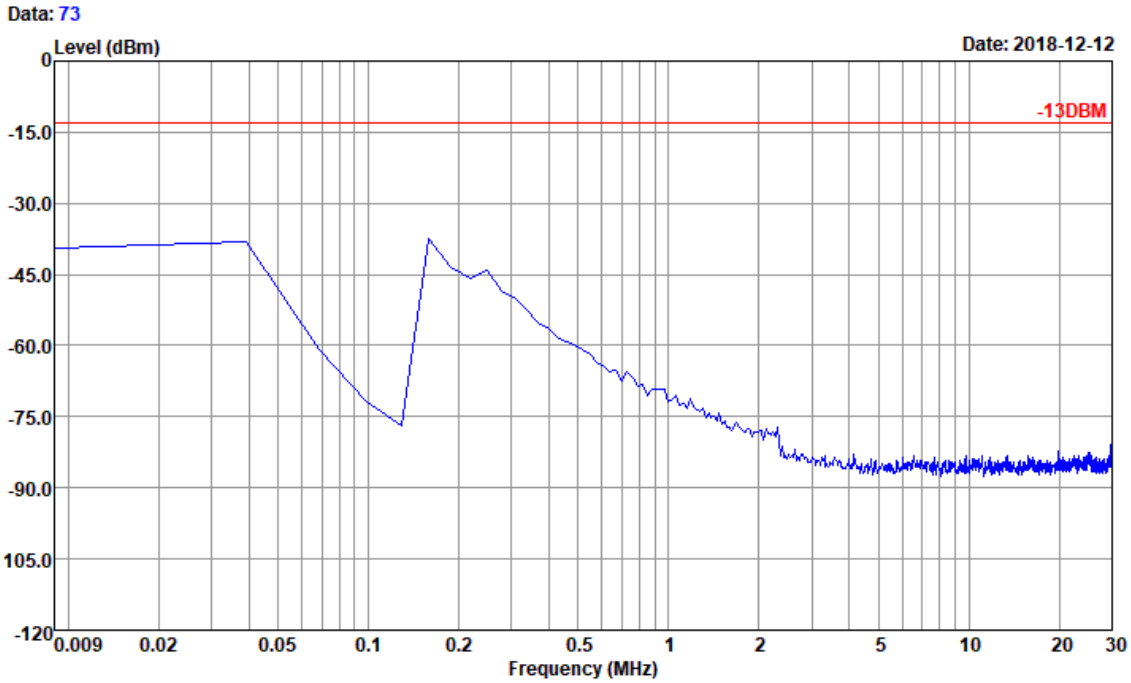


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



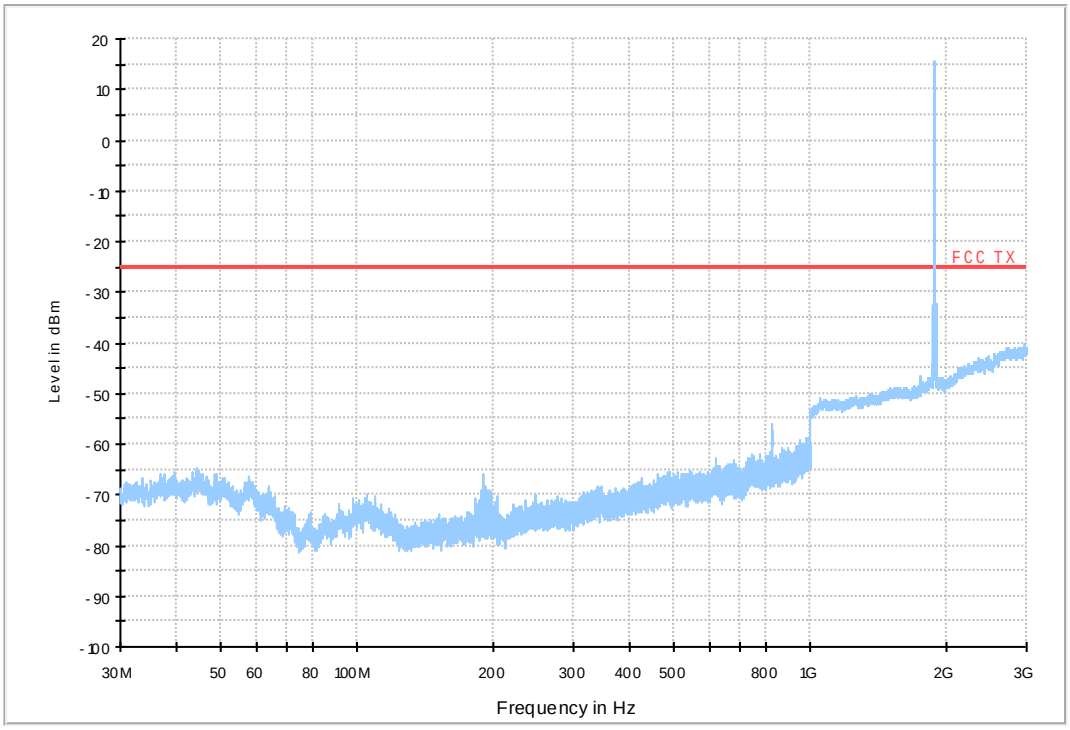


7.1.1.2 Test Bandwidth = 20+20

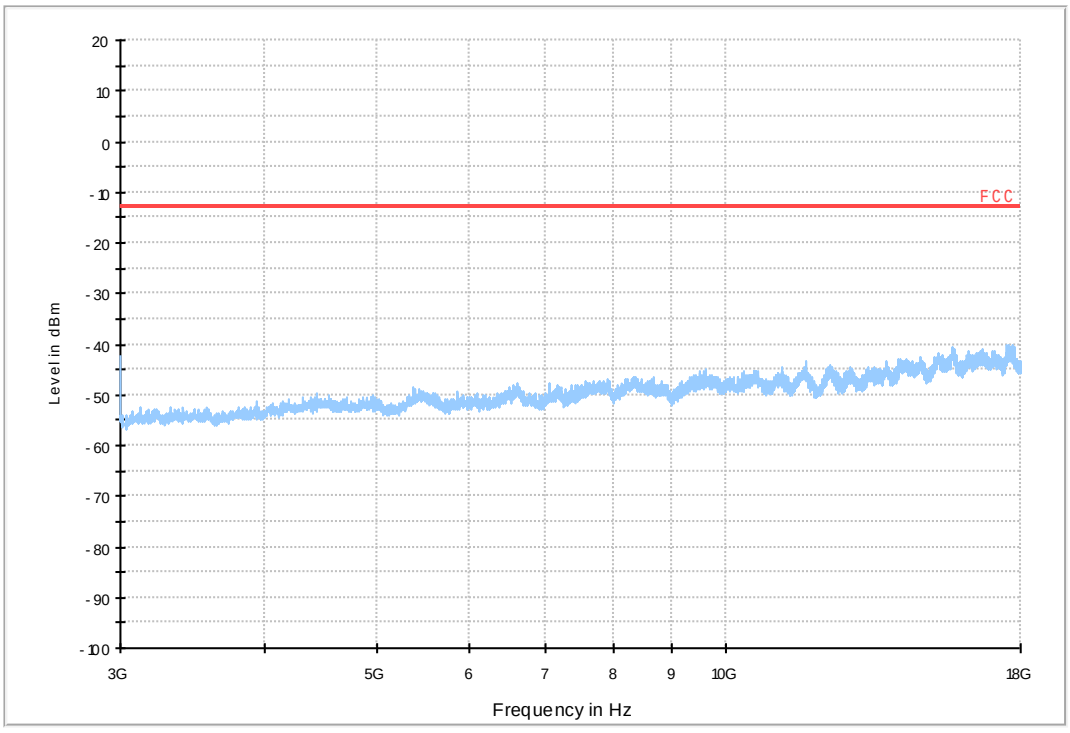


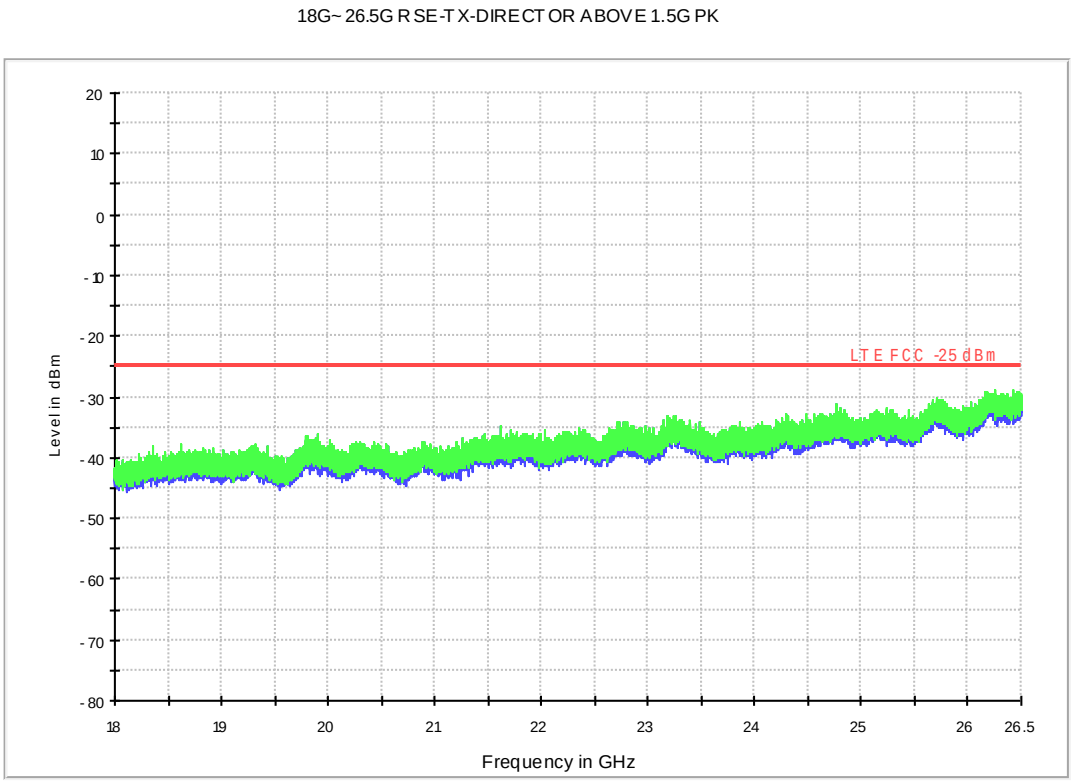
Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



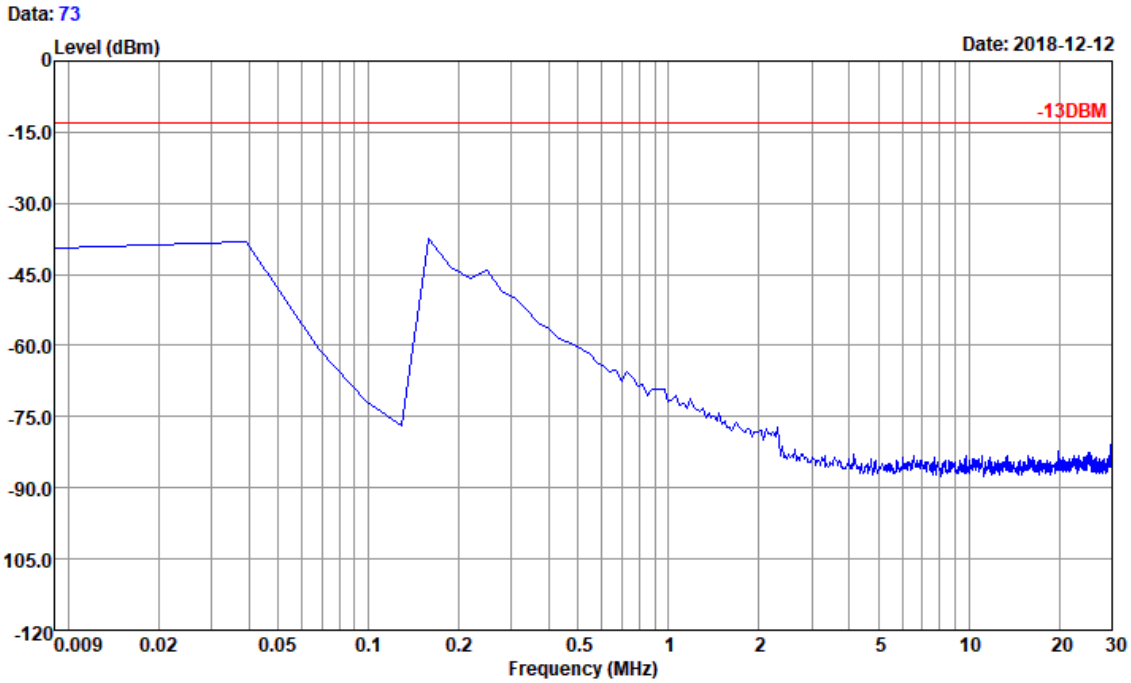
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H





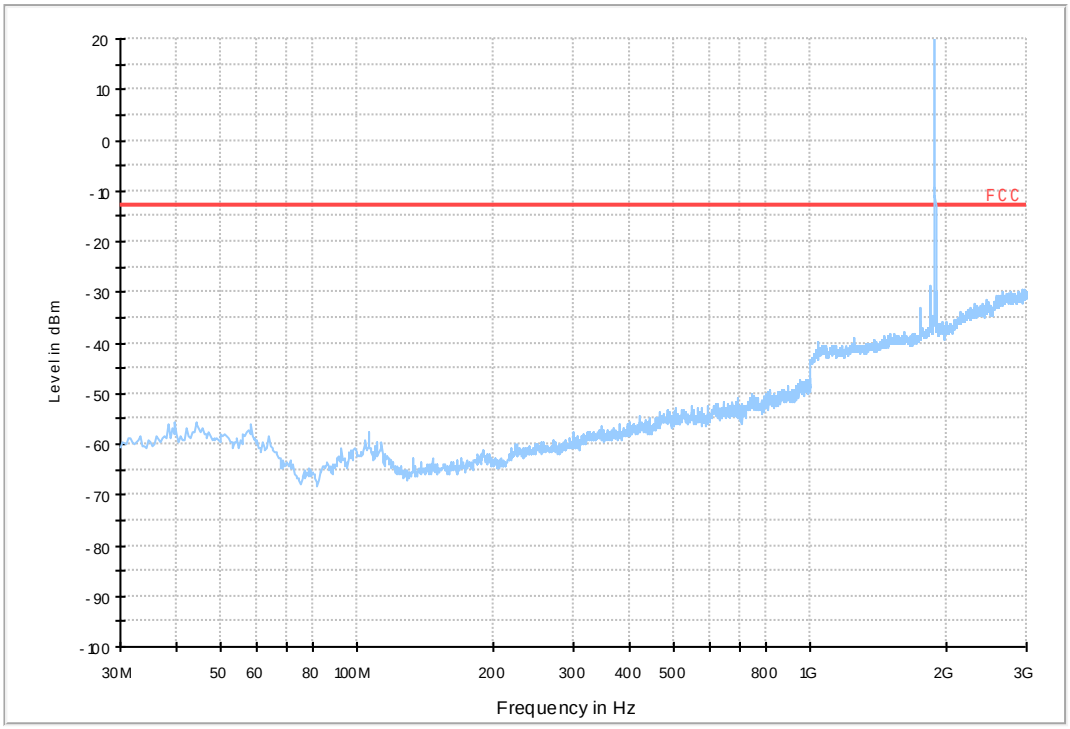
7.1.2 Test Band = CA_2C_ANT2

7.1.2.1 Test Bandwidth = 20+5

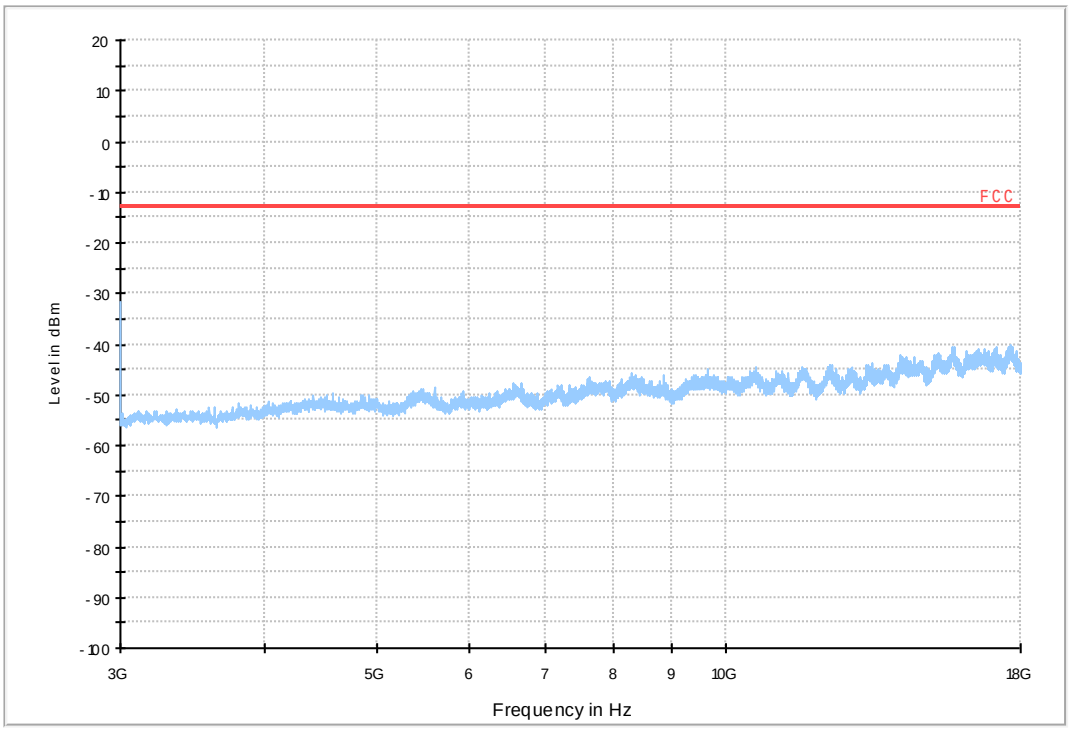


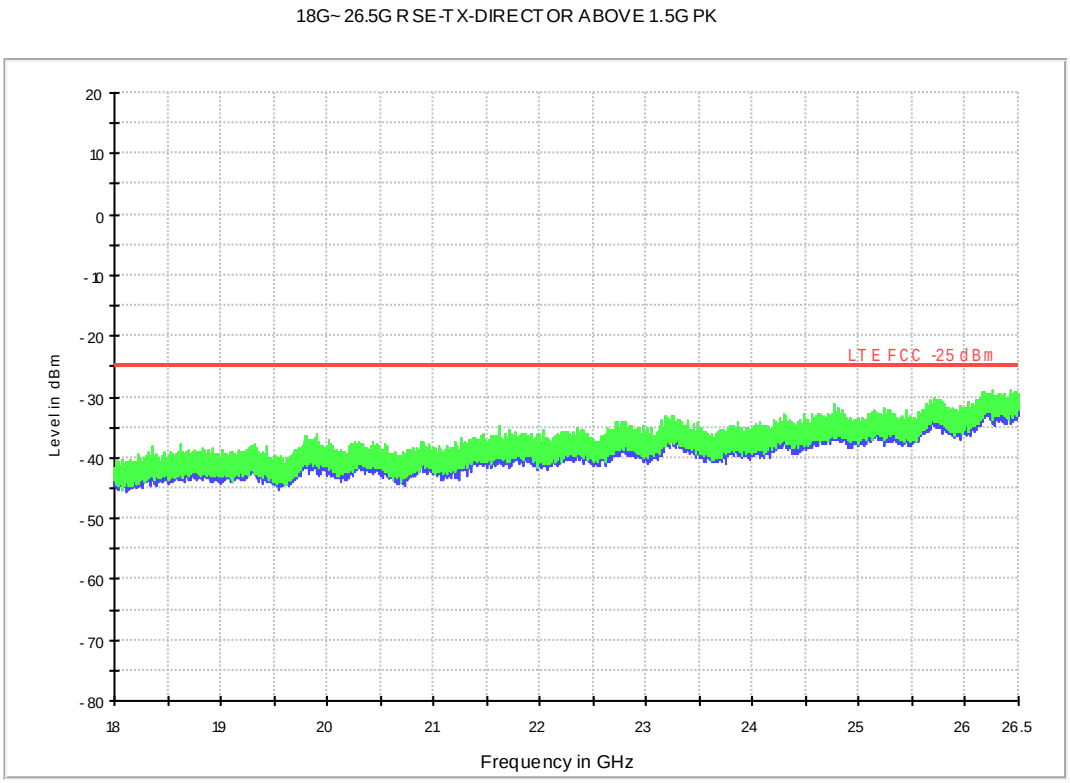
Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

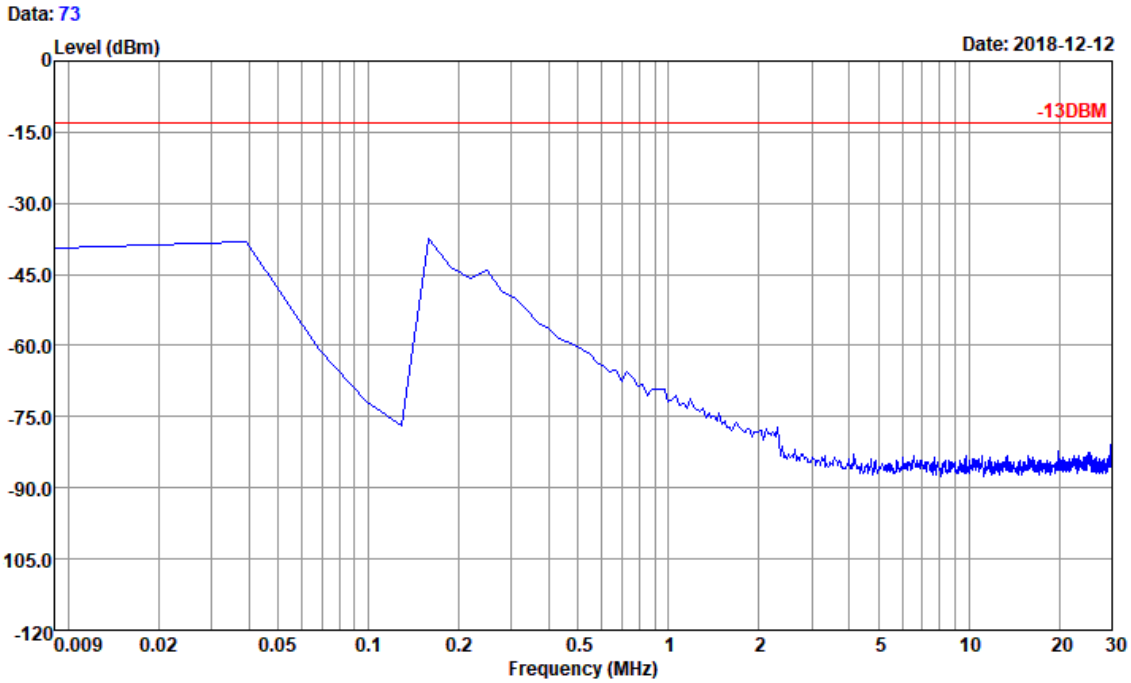


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



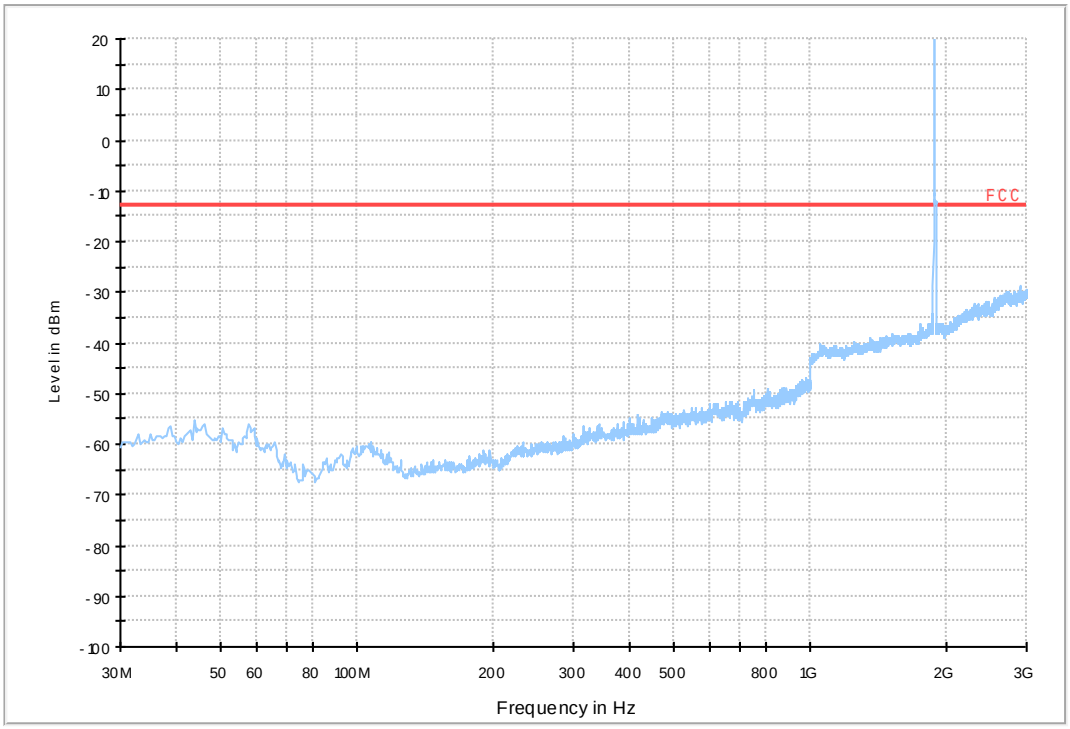


7.1.2.2 Test Bandwidth = 20+20

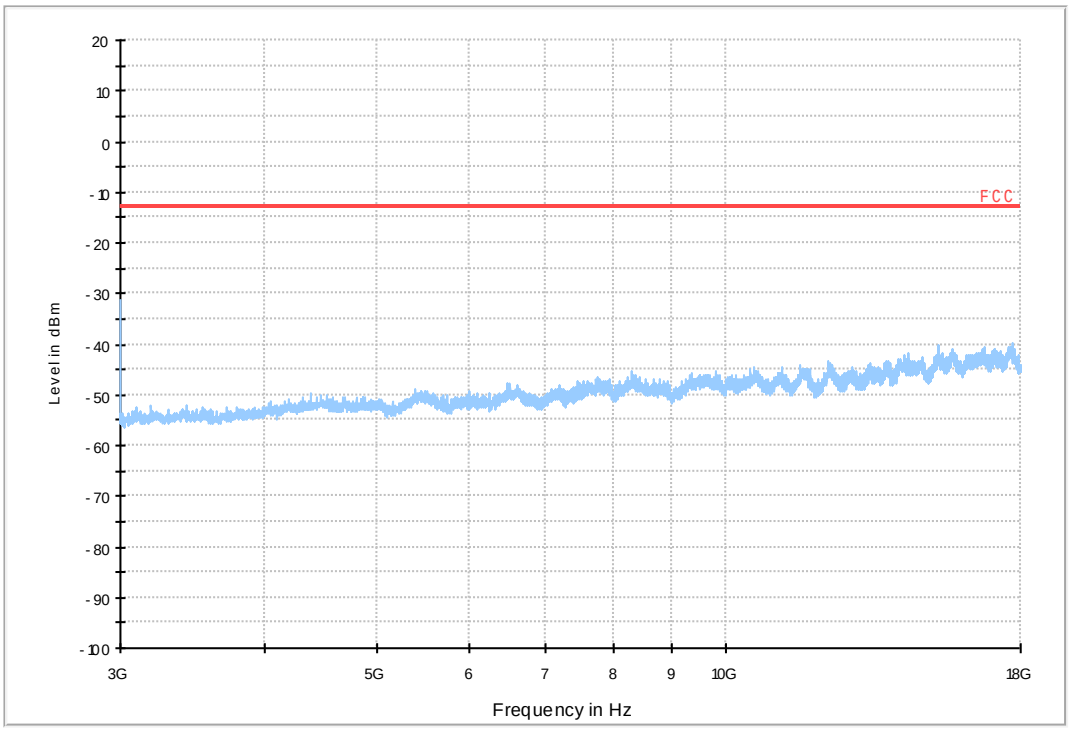


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

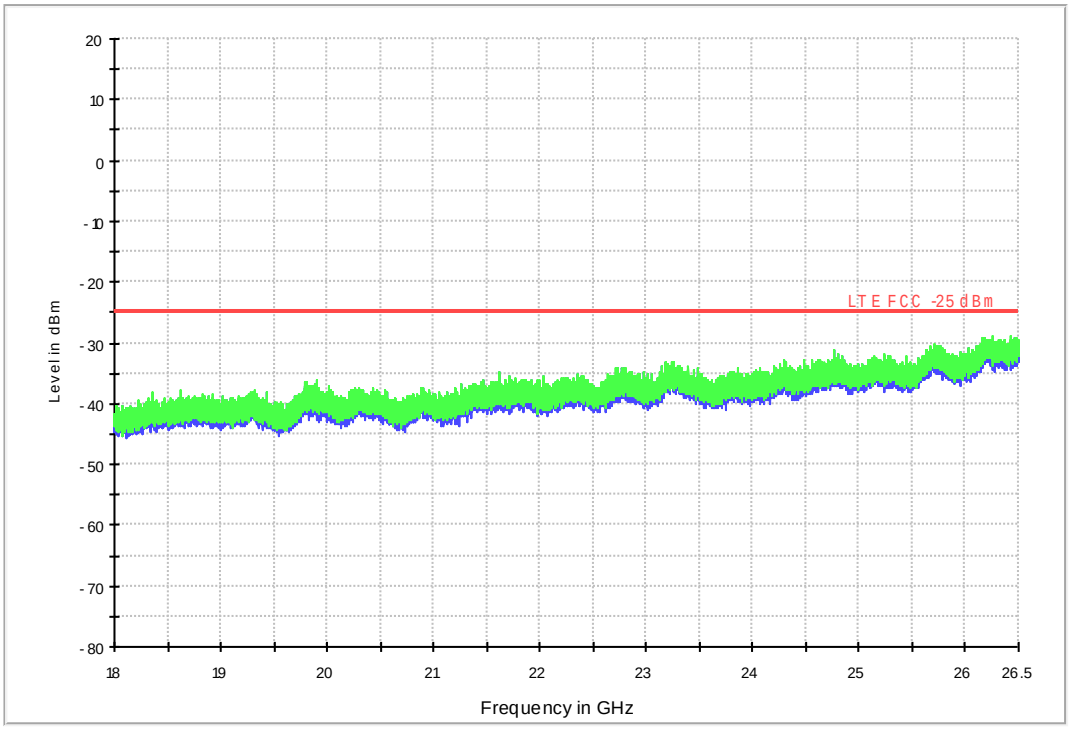
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



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



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	-18.10000	-0.00973	PASS
					VN	-11.86000	-0.00638	PASS
					VH	-15.26000	-0.00820	PASS
			MCH	TN	VL	-5.52000	-0.00294	PASS
					VN	-8.41000	-0.00448	PASS
					VH	-11.74000	-0.00625	PASS
			HCH	TN	VL	-17.01000	-0.00898	PASS
					VN	-9.58000	-0.00506	PASS
					VH	-11.27000	-0.00595	PASS
		20+20	LCH	TN	VL	-16.32000	-0.00877	PASS
					VN	-23.85000	-0.01282	PASS
					VH	-6.34000	-0.00341	PASS
			MCH	TN	VL	-20.67000	-0.01105	PASS
					VN	-14.46000	-0.00773	PASS
					VH	-64.60000	-0.03454	PASS
			HCH	TN	VL	-0.21000	-0.00011	PASS
					VN	-1.97000	-0.00105	PASS
					VH	-24.58000	-0.01307	PASS
	LTE/TM2	20+5	LCH	TN	VL	-10.94000	-0.00588	PASS
					VN	-11.67000	-0.00627	PASS
					VH	-10.99000	-0.00591	PASS
			MCH	TN	VL	-11.46000	-0.00610	PASS
					VN	-14.09000	-0.00750	PASS
					VH	-17.38000	-0.00926	PASS
			HCH	TN	VL	-10.57000	-0.00558	PASS
					VN	-10.94000	-0.00577	PASS
					VH	-13.35000	-0.00704	PASS
		20+20	LCH	TN	VL	-10.80000	-0.00581	PASS
					VN	11.86000	0.00638	PASS
					VH	-18.85000	-0.01013	PASS
			MCH	TN	VL	-15.21000	-0.00813	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-16.71000	-0.00894	PASS
					VH	-27.71000	-0.01482	PASS
			HCH	TN	VL	-0.19000	-0.00010	PASS
					VN	0.76000	0.00040	PASS
					VH	2.75000	0.00146	PASS

8.1.2Frequency 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	-8.33000	-0.00448	PASS
					-20	-9.81000	-0.00527	PASS
					-10	-7.84000	-0.00422	PASS
					0	-5.06000	-0.00272	PASS
					10	-8.54000	-0.00459	PASS
					20	-11.86000	-0.00638	PASS
					30	-11.26000	-0.00605	PASS
					40	-8.68000	-0.00467	PASS
					50	-8.85000	-0.00476	PASS
			MCH	VN	-30	-10.51000	-0.00560	PASS
					-20	-16.97000	-0.00904	PASS
					-10	-12.67000	-0.00675	PASS
					0	-3.25000	-0.00173	PASS
					10	-13.25000	-0.00706	PASS
					20	-8.41000	-0.00448	PASS
					30	-8.73000	-0.00465	PASS
					40	-12.56000	-0.00669	PASS
					50	-14.42000	-0.00768	PASS
			HCH	VN	-30	-10.87000	-0.00574	PASS
					-20	-15.49000	-0.00817	PASS
					-10	-15.58000	-0.00822	PASS
					0	-0.34000	-0.00018	PASS
					10	0.53000	0.00028	PASS
					20	-9.58000	-0.00506	PASS
					30	-11.70000	-0.00617	PASS
					40	-13.96000	-0.00737	PASS
					50	-14.78000	-0.00780	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20+20	LCH	VN	-30	-22.47000	-0.01208	PASS
					-20	-11.27000	-0.00606	PASS
					-10	-7.81000	-0.00420	PASS
					0	0.09000	0.00005	PASS
					10	-4.31000	-0.00232	PASS
					20	-23.85000	-0.01282	PASS
					30	-32.09000	-0.01725	PASS
					40	-12.04000	-0.00647	PASS
					50	-9.50000	-0.00511	PASS
			MCH	VN	-30	-8.23000	-0.00440	PASS
					-20	-1.40000	-0.00075	PASS
					-10	-8.04000	-0.00430	PASS
					0	-16.41000	-0.00877	PASS
					10	-3.71000	-0.00198	PASS
					20	-14.46000	-0.00773	PASS
					30	-33.40000	-0.01786	PASS
					40	-20.76000	-0.01110	PASS
					50	-33.19000	-0.01775	PASS
			HCH	VN	-30	-11.64000	-0.00619	PASS
					-20	-4.01000	-0.00213	PASS
					-10	-15.34000	-0.00816	PASS
					0	-13.68000	-0.00728	PASS
					10	0.93000	0.00049	PASS
					20	-1.97000	-0.00105	PASS
					30	-15.38000	-0.00818	PASS
					40	-20.71000	-0.01101	PASS
					50	-25.26000	-0.01343	PASS
	LTE/TM2	20+5	LCH	VN	-30	-16.47000	-0.00885	PASS
					-20	-13.79000	-0.00741	PASS
					-10	-14.83000	-0.00797	PASS
					0	0.99000	0.00053	PASS
					10	-1.97000	-0.00106	PASS
					20	-11.67000	-0.00627	PASS
					30	-12.66000	-0.00681	PASS
					40	-13.66000	-0.00734	PASS
					50	-15.49000	-0.00833	PASS
			MCH	VN	-30	-11.77000	-0.00627	PASS
					-20	-13.23000	-0.00705	PASS
					-10	-18.30000	-0.00975	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-1.39000	-0.00074	PASS
					10	-5.46000	-0.00291	PASS
					20	-14.09000	-0.00750	PASS
					30	-15.94000	-0.00849	PASS
					40	-18.08000	-0.00963	PASS
					50	-15.41000	-0.00821	PASS
			HCH	VN	-30	-8.01000	-0.00423	PASS
					-20	-16.78000	-0.00885	PASS
					-10	-16.87000	-0.00890	PASS
					0	1.47000	0.00078	PASS
					10	0.14000	0.00007	PASS
					20	-10.94000	-0.00577	PASS
					30	-13.10000	-0.00691	PASS
					40	-13.29000	-0.00701	PASS
					50	-16.55000	-0.00873	PASS
		20+20	LCH	VN	-30	-19.76000	-0.01062	PASS
					-20	-0.39000	-0.00021	PASS
					-10	-16.55000	-0.00890	PASS
					0	-0.16000	-0.00009	PASS
					10	3.98000	0.00214	PASS
					20	11.86000	0.00638	PASS
					30	-14.13000	-0.00760	PASS
					40	-10.14000	-0.00545	PASS
					50	-30.91000	-0.01662	PASS
			MCH	VN	-30	-26.12000	-0.01397	PASS
					-20	-10.37000	-0.00555	PASS
					-10	-42.43000	-0.02269	PASS
					0	-17.34000	-0.00927	PASS
					10	-1.90000	-0.00102	PASS
					20	-16.71000	-0.00894	PASS
					30	-10.41000	-0.00557	PASS
					40	-13.75000	-0.00735	PASS
					50	-6.75000	-0.00361	PASS
			HCH	VN	-30	-3.91000	-0.00208	PASS
					-20	-22.80000	-0.01213	PASS
					-10	-18.22000	-0.00969	PASS
					0	-3.89000	-0.00207	PASS
					10	-7.84000	-0.00417	PASS
					20	0.76000	0.00040	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-19.87000	-0.01057	PASS
					40	-6.19000	-0.00329	PASS
					50	-9.97000	-0.00530	PASS

END