

Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				1 # 0	0 # 0	22.44	21.92	33	PASS
				partial RBs # 0	0 # 0	22.31	21.79	33	PASS
			LCH	full RBs # 0	0 # 0	21.18	20.66	33	PASS
CA_41C				full RBs # 0	full RBs # 0	18.80	18.28	33	PASS
(2535-2	LTE/T M1	15+15		1 # 0	0 # 0	22.54	22.02	33	PASS
655MHZ)				partial RBs # 0	0 # 0	22.57	22.05	33	PASS
			MCH	full RBs # 0	0 # 0	21.60	21.08	33	PASS
				full RBs # 0	full RBs # 0	21.62	21.1	33	PASS
			НСН	1 # 0	0 # 0	22.56	22.04	33	PASS



Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				partial RBs # 0	0 # 0	22.56	22.04	33	PASS
			full RBs # 0	0 # 0	21.46	20.94	33	PASS	
				full RBs # 0	full RBs # 0	21.42	20.9	33	PASS
				1 # 0	0 # 0	22.47	21.95	33	PASS
				partial RBs # 0	0 # 0	22.44	21.92	33	PASS
			LCH	full RBs # 0	0#0	21.33	20.81	33	PASS
		20+20		full RBs # 0	full RBs # 0	18.93	18.41	33	PASS
				1 # 0	0 # 0	22.87	22.35	33	PASS
		МСН	partial RBs # 0	0#0	22.67	22.15	33	PASS	
			full RBs # 0	0 # 0	21.63	21.11	33	PASS	



Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				full RBs # 0	full RBs # 0	21.59	21.07	33	PASS
				1 # 0	0 # 0	22.61	22.09	33	PASS
				partial RBs # 0	0#0	22.60	22.08	33	PASS
			НСН	full RBs # 0	0#0	21.42	20.9	33	PASS
				full RBs # 0	full RBs # 0	21.49	20.97	33	PASS
				1 # 0	0 # 0	21.91	21.39	33	PASS
				partial RBs # 0	0 # 0	21.44	20.92	33	PASS
	LTE/T M2	15+15	LCH	full RBs # 0	0 # 0	20.15	19.63	33	PASS
				full RBs # 0	full RBs # 0	17.74	17.22	33	PASS
				1 # 0	0 # 0	21.88	21.36	33	PASS
			MCH	partial	0 # 0	21.52	21	33	PASS



Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RBs # 0					
				full RBs # 0	0 # 0	20.50	19.98	33	PASS
				full RBs # 0	full RBs # 0	20.52	20	33	PASS
				1 # 0	0 # 0	21.62	21.1	33	PASS
			нсн	partial RBs # 0	0 # 0	21.57	21.05	33	PASS
				full RBs # 0	0 # 0	20.38	19.86	33	PASS
				full RBs # 0	full RBs # 0	20.37	19.85	33	PASS
				1 # 0	0 # 0	22.27	21.75	33	PASS
		20+20 LCH	LCH	partial RBs # 0	0 # 0	21.46	20.94	33	PASS
			full RBs # 0	0#0	20.25	19.73	33	PASS	



Test Band(LTE)	Test Mode	Test Band width	Test Chann el	PCC Test RB	SCC Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				full RBs # 0	full RBs # 0	17.93	17.41	33	PASS
				1 # 0	0 # 0	22.25	21.73	33	PASS
				partial RBs # 0	0 # 0	21.58	21.06	33	PASS
			MCH	full RBs # 0	0 # 0	20.51	19.99	33	PASS
				full RBs # 0	full RBs # 0	20.55	20.03	33	PASS
				1 # 0	0 # 0	21.75	21.23	33	PASS
				partial RBs # 0	0 # 0	21.66	21.14	33	PASS
		нсн	full RBs # 0	0 # 0	20.28	19.76	33	PASS	
				full RBs # 0	full RBs # 0	20.41	19.89	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 Band width	Test Channel	PCC Test RB	SCC Test RB	Meas ured [dB m]	Limit [dB m]	Verdic t
				1 # 0	0 # 0	4.44	13	PASS
			LCH	partial RBs # 0	0 # 0	5.27	13	PASS
			LON	full RBs # 0	0 # 0	6.43	13	PASS
				full RBs # 0	full RBs # 0	6.77	13	PASS
				1 # 0	0 # 0	4.31	13	PASS
		15+15	МСН	partial RBs # 0	0 # 0	5.13	13	PASS
CA_41C (2535-2655	LTE/TM	10+10	WOTT	full RBs # 0	0 # 0	6.28	13	PASS
(2333-2033 MHZ)	1			full RBs # 0	full RBs # 0	6.48	13	PASS
				1 # 0	0 # 0	4.34	13	PASS
			НСН	partial RBs # 0	0 # 0	4.92	13	PASS
	20+20		псп	full RBs # 0	0 # 0	6.34	13	PASS
				full RBs # 0	full RBs # 0	6.29	13	PASS
		20-120	LCH	1 # 0	0 # 0	4.42	13	PASS
		20720		partial RBs # 0	0 # 0	5.10	13	PASS



Test Band(LTE)	Test Mode	Test Band width	Test Channel	PCC Test RB	SCC Test RB	Meas ured [dB m]	Limit [dB m]	Verdic t
				full RBs # 0	0 # 0	6.18	13	PASS
				full RBs # 0	full RBs # 0	7.08	13	PASS
				1 # 0	0 # 0	4.50	13	PASS
			МСН	partial RBs # 0	0 # 0	4.87	13	PASS
				full RBs # 0	0 # 0	6.38	13	PASS
				full RBs # 0	full RBs # 0	6.59	13	PASS
				1 # 0	0 # 0	4.20	13	PASS
				partial RBs # 0	0 # 0	4.73	13	PASS
			НСН	full RBs # 0	0 # 0	6.05	13	PASS
				full RBs # 0	full RBs # 0	6.34	13	PASS
				1 # 0	0 # 0	5.40	13	PASS
				partial RBs # 0	0 # 0	5.92	13	PASS
	LTE/TM	45.45	5 –	full RBs # 0	0 # 0	6.99	13	PASS
	2	15+15		full RBs # 0	full RBs # 0	7.45	13	PASS
			MOU	1 # 0	0 # 0	5.46	13	PASS
			MCH	partial RBs # 0	0 # 0	5.99	13	PASS



Test Band(LTE)	Test Mode	Test Band width	Test Channel	PCC Test RB	SCC Test RB	Meas ured [dB m]	Limit [dB m]	Verdic t
				full RBs # 0	0 # 0	6.96	13	PASS
				full RBs # 0	full RBs # 0	7.27	13	PASS
				1 # 0	0 # 0	4.85	13	PASS
				partial RBs # 0	0 # 0	5.70	13	PASS
			HCH	full RBs # 0	0 # 0	7.12	13	PASS
				full RBs # 0	full RBs # 0	7.50	13	PASS
				1 # 0	0 # 0	5.08	13	PASS
				partial RBs # 0	0 # 0	5.87	13	PASS
			LCH	full RBs # 0	0 # 0	7.16	13	PASS
				full RBs # 0	full RBs # 0	7.68	13	PASS
				1 # 0	0 # 0	4.71	13	PASS
		20+20		partial RBs # 0	0 # 0	6.02	13	PASS
			MCH -	full RBs # 0	0 # 0	6.67	13	PASS
				full RBs # 0	full RBs # 0	7.24	13	PASS
				1 # 0	0 # 0	4.83	13	PASS
			НСН	partial RBs # 0	0 # 0	5.59	13	PASS



Test Band(LTE)	Test Mode	Test Band width	Test Channel	PCC Test RB	SCC Test RB	Meas ured [dB m]	Limit [dB m]	Verdic t
				full RBs # 0	0#0	7.23	13	PASS
				full RBs # 0	full RBs # 0	7.58	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

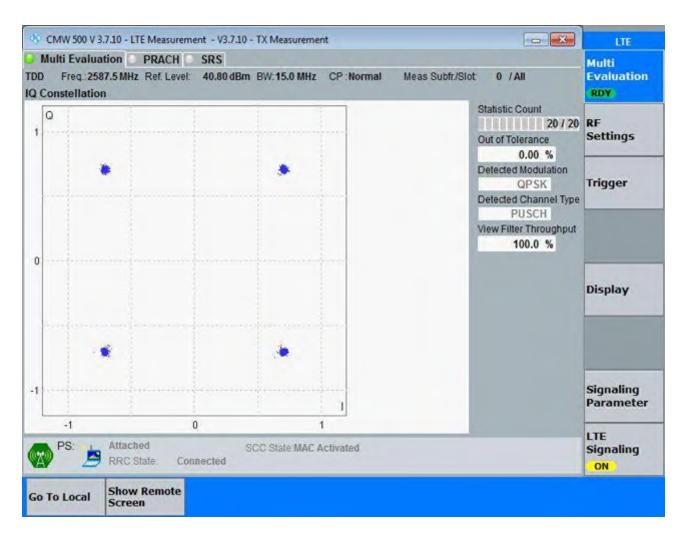
3.1.1 Test Band = CA_41C (2535-2655MHZ)

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 15+15

3.1.1.1.1 Test Channel = MCH

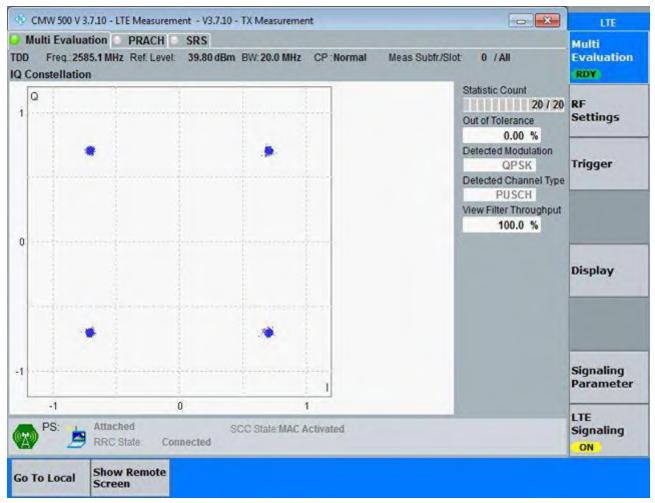
3.1.1.1.1.1 PCC Test RB = full RBs & SCC Test RB = full RBs



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

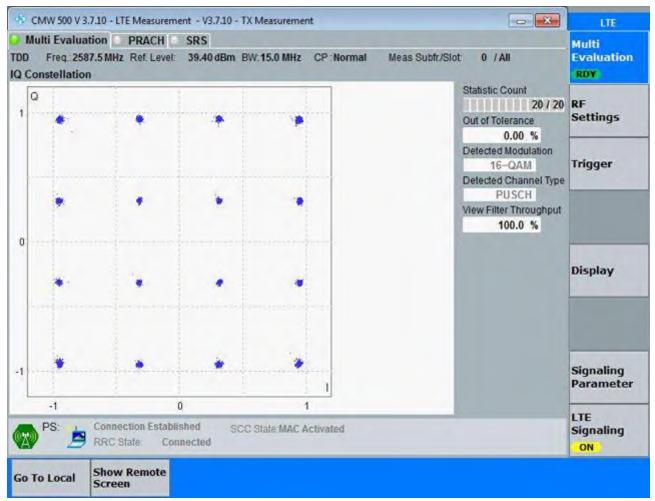


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 15+15

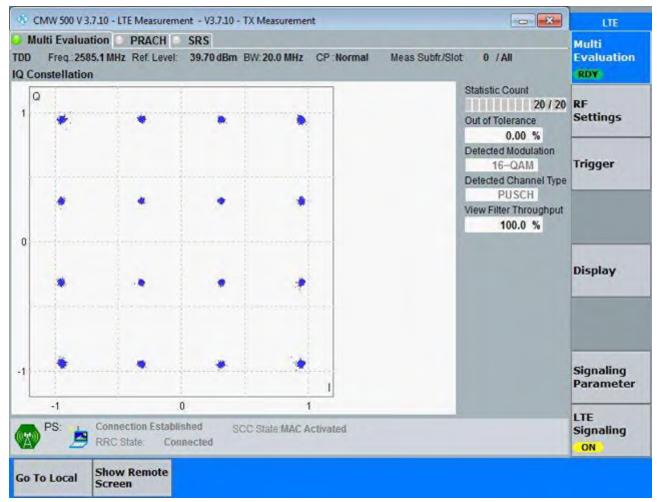
3.1.1.2.1.1 Test Channel = MCH

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	Occupie d Bandwi dth [MHz]	Emiss ion Band width [MHz]	Verdi ct
			LCH	full RBs # 0	full RBs # 0	28.95	31.61	PASS
	LTE/ TM1	15+15	МСН	full RBs # 0	full RBs # 0	28.98	31.41	PASS
			НСН	full RBs # 0	full RBs # 0	29.02	31.64	PASS
			LCH	full RBs # 0	full RBs # 0	38.40	41.37	PASS
		20+20	МСН	full RBs # 0	full RBs # 0	38.48	42.34	PASS
CA_41C (2535-265			НСН	full RBs # 0	full RBs # 0	38.42	41.29	PASS
5MHZ)			LCH	full RBs # 0	full RBs # 0	28.97	31.30	PASS
		15+15	MCH	full RBs # 0	full RBs # 0	28.93	31.19	PASS
	LTE/		НСН	full RBs # 0	full RBs # 0	29.00	31.75	PASS
	TM2		LCH	full RBs # 0	full RBs # 0	38.46	41.54	PASS
		20+20	MCH	full RBs # 0	full RBs # 0	38.45	41.48	PASS
			НСН	full RBs # 0	full RBs # 0	38.40	41.67	PASS

Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = CA_41C (2535-2655MHZ)

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 15+15

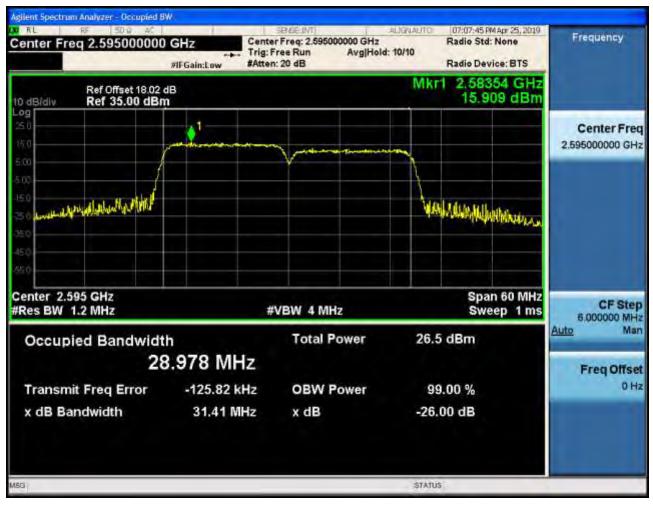
4.1.1.1.1.1 Test Channel = LCH





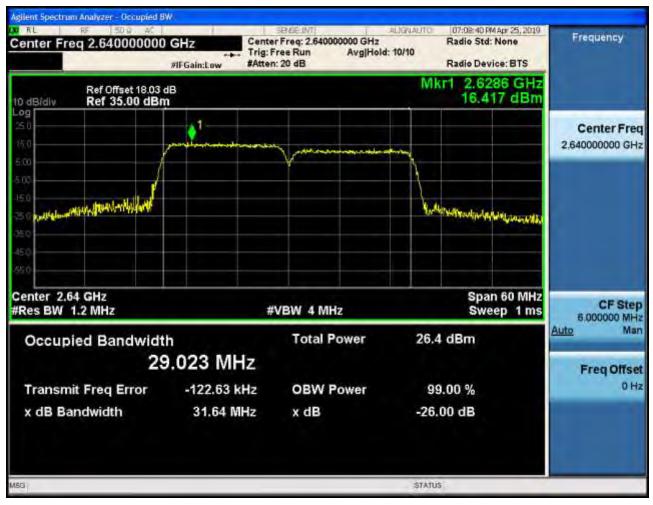
4.1.1.1.1.2 Test Channel = MCH

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

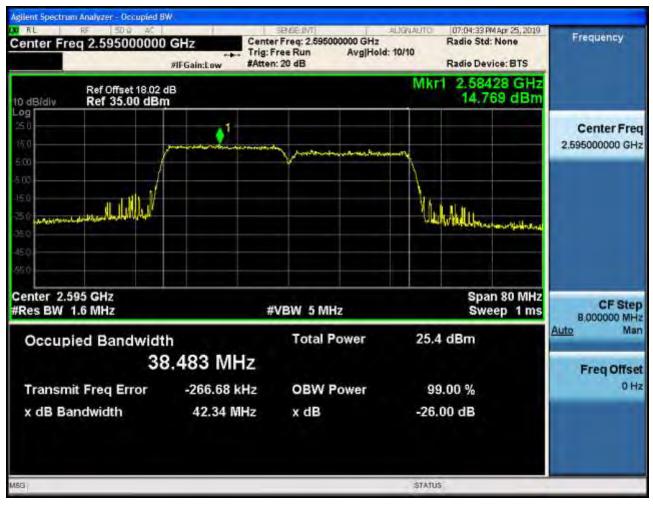
4.1.1.1.2.1 Test Channel = LCH

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

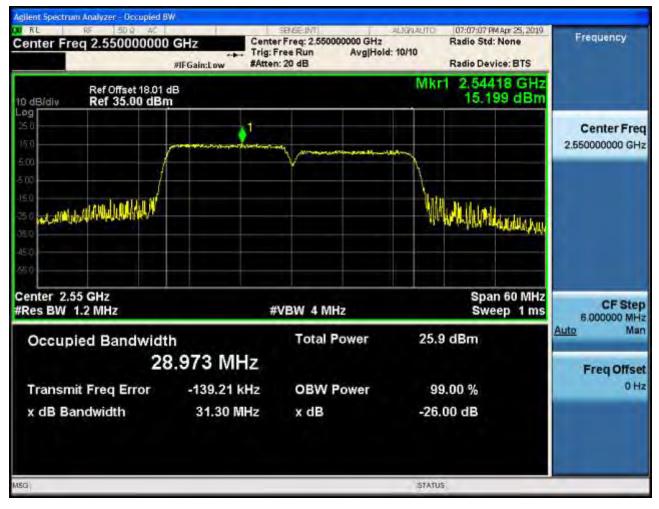


4.1.1.1 Test Mode = LTE/TM2

4.1.1.1.1 Test Bandwidth = 15+15

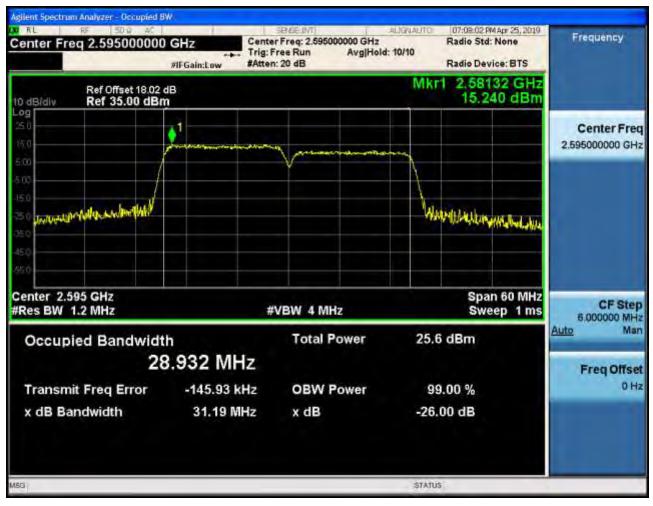
4.1.1.1.1 Test Channel = LCH

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



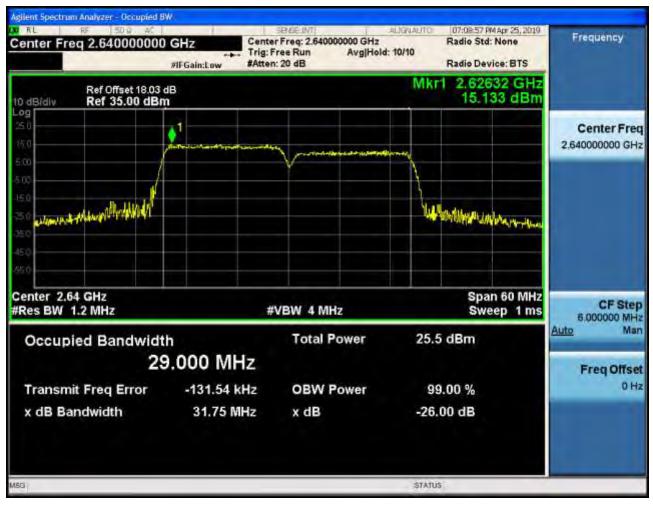
4.1.1.1.1.2 Test Channel = MCH

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



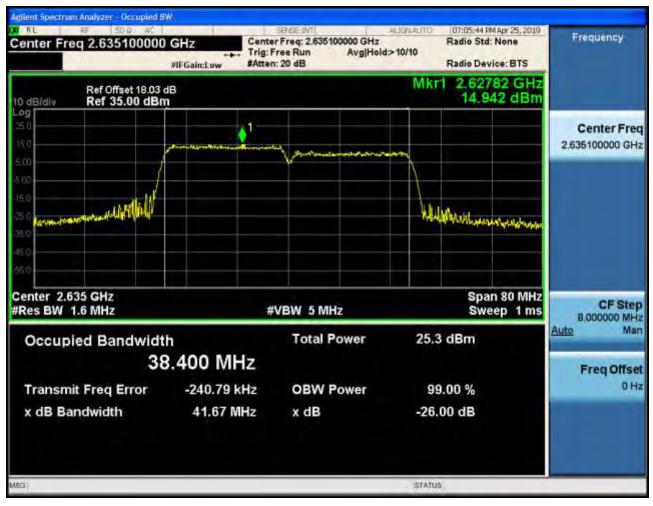
4.1.1.1.2.2 Test Channel = MCH

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_41C (2535-2655MHZ)

5.1.1.1 Test Mode = LTE/TM1

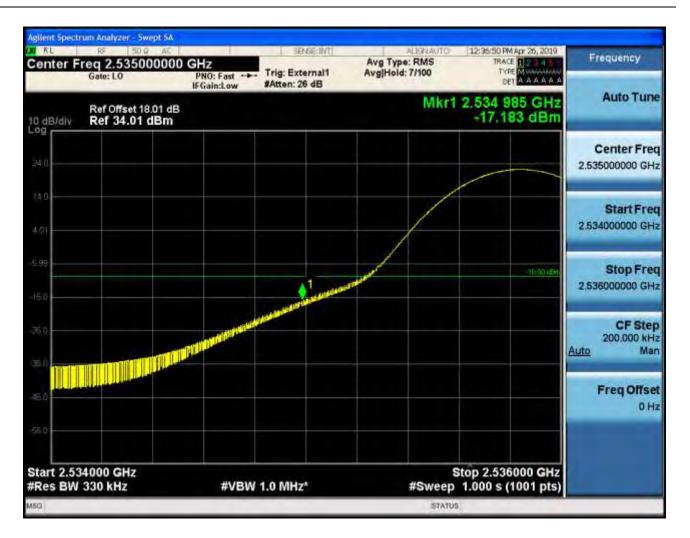
5.1.1.1.1 Test Bandwidth = 15+15

5.1.1.1.1 Test Channel = LCH

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



11.00	RF 3D Q AC		SENSEINT	ALIGNAUTO		Frequency
	2.531750000 ste: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE M WALLAND DET A A A A A A	Frequency
0 dB/div R	ef Offset 18.01 dB ef 34.01 dBm			Mkr1	2.533 209 5 GHz -34.272 dBm	Auto Tune
24 0.						Center Fred 2.531750000 GH:
4,01						Start Free 2.530000000 GH:
15.0					-10.00 i čn i	Stop Free 2,533500000 GH
75.0						CF Step 350.000 kH Auto Mar
60						Freq Offse 0 H
Start 2.5300			3.0 MHz*		Stop 2.533500 GHz 5 1.000 s (1001 pts)	



Agilent Spectrum Analyzer - Swept SA RL RL 02:19:39 PM Apr 26, 2019 SENSE: INT GREAUTO Frequency Center Freq 2.522500000 GHz Avg Type: RMS Avg|Hold: 1/100 TRACE Trig: External1 TYPE PNO: Fast ---Gate: LO AAAAA #Atten: 26 dB DET Auto Tune Mkr1 2.529 085 GHz -39.482 dBm Ref Offset 18.01 dB Ref 34.01 dBm 10 dB/div Center Freq 2.522500000 GHz Start Freq 2.515000000 GHz Stop Freq - Li Dù at 2.530000000 GHz **CF** Step 1.500000 MHz Auto Man **Freq Offset** 0 Hz Start 2.515000 GHz Stop 2.530000 GHz #Res BW 1.0 MHz #Sweep 1.000 s (1001 pts) #VBW 3.0 MHz* STATUS MSG

5.1.1.1.1.1.2 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

RL .	RF 30.0		SPAGE:INT	ALIGNAUTO	02:22:26 PM Apr 26; 2019	Frequency
Center Fr	eq 2.522500 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MUMUMUMU DET A A A A A A	
IC dB/div	2.529 130 GHz -30.978 dBm	Auto Tune				
24 û						Center Free 2.522500000 GH
4,01						Start Free 2.515000000 GH
5.99					-1500 u ti n	Stop Fre 2.530000000 GH
760					1-	CF Step 1.500000 MH Auto Ma
45.0			Veraneter (end			Freq Offse 0 H
55 0 Start 2.51	5000 ĜHz				Stop 2.530000 GHz	
Res BW	1.0 MHz	#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	

RL	RF 30 Q AD		SENSE: INT	and the second se	ALIGNAUTO	02:22:39 PM Apr 26; 2019	- Harrison and Alexandro
	q 2.5317500 Sate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type Avg Hold		TYPE MULLION	Frequency
0 dB/div	Ref Offset 18.01 o Ref 34.01 dBn	iB 1	Mkr1 2.532 233 0 -28.454 c			532 233 0 GHz -28.454 dBm	iHz Auto Tu Bm
24 (1)							Center Fred 2.531750000 GHz
4,01							Start Free 2.530000000 GH:
15.0						-11.00 i .0 1.	Stop Free 2,533500000 GH;
750 751	anglog all group of gover	ny any log ray rights to an an organization of the D	ana sa mana mana ka	1	1990 a constanti da	k tek sek den bilanan ikan yang dalam tanan sek da	CF Step 350.000 kH Auto Mar
SÓ							Freq Offse 0 Hz
55 0 Start 2.530 #Res BW 1			3.0 MHz*		S	top 2.533500 GHz 1.000 s (1001 pts)	



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

.522500000	GHZ		Avg Type: RMS	TRACE 1 2 3 4 5	Frequency
	PNO: Fast IFGain:Low	Trig: External1 #Atten: 26 dB	Avg Hold: 1/100	TYPE M WALLMANN DET A A A A A A	
0ffset 18.01 dB 34.01 dBm			Mkr	2.529 970 GHz -31.942 dBm	Auto Tune
					Center Fred 2.522500000 GH:
					Start Free 2.515000000 GH
				-15 00 u b it	Stop Free 2.530000000 GH
					CF Step 1.500000 MH <u>Auto</u> Ma
					Freq Offse 0 H
ĜHz				Stop 2.530000 GHz	
	GHz Hz	34.01 dBm	34.01 dBm	34.01 dBm	34.01 dBm -31.942 dBm

RL RF 50.0		SENSE:INT	ALIGNAUTO	12:33:07 PM Apr 26; 2019	and the second s
enter Freq 2.53175 Gate: L0	PN0: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MUMUMUM DET Å Å Å Å Å Å	Frequency
Ref Offset 18.0 dB/div Ref 34.01 d	D1 dB Bm		Mkr1 2	.533 213 0 GHz -30.810 dBm	Auto Tune
24.0					Center Fred 2.531750000 GH:
4,01					Start Free 2.530000000 GH
50				-40.00 iem	Stop Free 2.533500000 GH
б0 юл.		udende al fan de se en de bie		•1	CF Step 350.000 kH Auto Mar
60					Freq Offse 0 H
tart 2.530000 GHz Res BW 1.0 MHz		3.0 MHz*		Stop 2.533500 GHz 1.000 s (1001 pts)	



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



RL RF 30.0 AC	SENSE:INT	ALIGNAUTO	12:15:46 PM Apr 28, 2019	Frequency
enter Freq 2.658250000 C	PNO: Fast Trig: Free Run FGain: Low #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE	Frequency
Ref Offset 18.02 dB		Mkr1 2	.656 528 0 GHz -33.985 dBm	Auto Tune
240				Center Free 2.658250000 GH
4,02				Start Free 2.656500000 GH
5.98			-10.00 u E n.	Stop Free 2,660000000 GH
				CF Stej 350.000 kH <u>Auto</u> Mar
s) ^{maa} haqaatigaahiinaahiinaahiinaahiinaa 8.0		MM NGAN'YANA ANA YANA YANA YANA YANA YANA YAN		Freq Offse 0 H
tart 2.656500 GHz Res BW 1.0 MHz	#VBW 3.0 MHz*		top 2.660000 GHz 1.000 s (1001 pts)	

RL RF BDQ AC	1	SENSE: INT	ALIGNAUTO	12:15:59 PM Apr 28, 2019	Children and Sold Street
Center Freq 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE E 2 3 4 5 TYPE MULTURAL DET A A A A A A	Frequency
Ref Offset 18.02 dB 0 dB/div Ref 34.02 dBm			Mkr1	2.660 045 GHz -39.327 dBm	Auto Tuni
24 0					Center Free 2.667500000 GH
4,02					Start Free 2.660000000 GH
15.98				-1500 atba	Stop Fre 2.675000000 GH
жп <mark>у</mark> 1					CF Step 1.500000 MH <u>Auto</u> Ma
15.0					Freq Offse 0 H
Start 2.660000 GHz Res BW 1.0 MHz	#VBW	3.0 MHz*	#Sween	Stop 2.675000 GHz 1.000 s (1001 pts)	



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

RE RE BDQ AC		SENSEINT	ALIGNAUTO	12:18:33 PM Apr 28, 2019	Frequency
Center Freq 2.658250000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE	
Ref Offset 18.02 dB 0 dB/div Ref 34.02 dBm			Mkr1 2	.656 517 5 GHz -22.355 dBm	Auto Tun
24页					Center Fre 2.658250000 GH
4,02					Start Fre 2.656500000 GH
5.98 15.0				-10.00 ເຮັດ	Stop Free 2,660000000 GH
The second secon	*******		ana majangan pajati ang	101 101 10 10 10 10 10 10 10 10 10 10 10	CF Step 350.000 kH <u>Auto</u> Ma
560					Freq Offse 0 H
Start 2.656500 GHz Res BW 1.0 MHz	#VBW	3.0 MHz*		Stop 2.660000 GHz 1.000 s (1001 pts)	

RL RF 30.0 AC	T	SENSE:INT	ALIGNAUTO	12:18:45 PM Apr 28, 2019	(Hereiter States)
enter Freq 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TYPE MUMUUUUU DET A A A A A A	Frequency
Ref Offset 18.02 dB 0 dB/div Ref 34.02 dBm			Mkr	2.660 105 GHz -37.194 dBm	Auto Tune
24 []					Center Free 2.667500000 GH:
4,52					Start Free 2.660000000 GH
15.98				- Li Do aten	Stop Free 2.675000000 GH
76 р тө л <mark>у</mark>					CF Step 1.500000 MH <u>Auto</u> Mar
10.0	*****		*******		Freq Offse 0 H
tart 2.660000 GHz Res BW 1.0 MHz	#VBW 3	0 MHz*	#Sween	Stop 2.675000 GHz 1.000 s (1001 pts)	

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

RL	RF 30 Q AC		SENSEINT	ALIGNAUTO	12:21:07 PM Apr 28, 2019	Frequency
Center F	req 2.65500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 48/100	TRACE 2 2 4 4 TYPE M MANAGEMENT DET A A A A A A	
0 dB/div	Ref Offset 18.02 d Ref 34.02 dBm	в		Mkr	2.655 010 GHz -28.979 dBm	Auto Tun
24 0						Center Free 2.655000000 GH
4,02						Start Fre 2.654000000 GH
5.98					-16.00 ižn	Stop Fre 2,656000000 GH
50 50			1	San by Styles and a showing data of the same shall be a strength of the same shall be same shall be a strength of the same sha		CF Ste 200.000 kH <u>Auto</u> Ma
60						Freq Offso 0 H
560						
Start 2.65 Res BW	4000 GHz 330 kHz	#VBW	1.0 MHz*	#Sweep	Stop 2.656000 GHz 1.000 s (1001 pts)	
5G				STATU	S	

	-28.939 dBm	
		Center Free 2.658250000 GH
		Start Free 2.656500000 GH
	-10.60 i.En,	Stop Fre 2.660000000 GH
		CF Stej 350.000 kH <u>Auto</u> Ma
		Freq Offse 0 H
#VBW 3.0 MHz*		Stop 2.660000 GHz

	Trig: Free Run	Avg Type: RMS	TRACE TRACE	Frequency
IP-scalin:Low	#Atten: 26 dB	Avg Hold: 7/100	DET A A A A A	
		Mkr	1 2.660 135 GHz -32.060 dBm	Auto Tune
				Center Fred 2.667500000 GH
				Start Free 2.66000000 GH:
			- Li 00 atin	Stop Free 2.675000000 GH:
				CF Step 1.500000 MH <u>Auto</u> Mar
				Freq Offse 0 Ha
			Stop 2.675000 GHz	
		#VBW 3.0 MHz*		-32.060 dBm

RL RF 30.0		SENSE:INT	ALIGNAUTO	12:12:36 PM Apr 28, 2019	Frequency
Center Freq 2.655000	PNO: Fast IFGain:Low	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 48/100	TRACE	
Ref Offset 18.0 0 dB/div Ref 34.02 dB	2 dB 3m		Mkr1	2.655 010 GHz -33.419 dBm	Auto Tun
og 24.0					Center Fre 2.655000000 GH
4.02					Start Fre 2.654000000 GH
6.98				-16.00 iđm	Stop Fre 2,65600000 GH
50 50		1			CF Ste 200.000 kH <u>Auto</u> Ma
6)					Freq Offse 0 H
tart 2.654000 GHz Res BW 330 kHz		×		Stop 2.656000 GHz 1.000 s (1001 pts)	

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

RL I	RF 30.Q AC		SENSE: INT	ALIGHAUTO	12:12:49 PM Apr 28, 2019	Planta and a
Center F	req 2.65825000	0 GHz PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE 2 2 4 5 TYPE MUMMANN DET A A A A A A	Frequency
0 dB/div	Ref Offset 18.02 di Ref 34.02 dBm	3		Mkr1 2	.656 972 5 GHz -32.998 dBm	Auto Tune
24:0						Center Fred 2.658250000 GH
4,02						Start Free 2.656500000 GH:
5.98					-11.00.iEn	Stop Free 2,660000000 GH
751) 2511	• ¹					CF Step 350.000 kH <u>Auto</u> Mar
45.0						Freq Offse 0 H
56.0						
Start 2.65 #Res BW	6500 GHz 1.0 MHz	#VBW	3.0 MHz*	s #Sweep	top 2.660000 GHz 1.000 s (1001 pts)	

RL RF 30.9 AC		SENSE: INT	ALIGNAUTO	12:13:12 PM Apr 28, 2019	Frequency
Center Freq 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE 2345 TYPE MULTURE DET A A A A A	
Ref Offset 18.02 dB 0 dB/div Ref 34.02 dBm			Mkr1	2.660 705 GHz -34.988 dBm	Auto Tun
240					Center Fre 2.667500000 GH
4,02					Start Fre 2.660000000 GH
50				-14 00 aBro	Stop Fre 2.675000000 GH
					CF Ste 1.500000 MH Auto Ma
50 	ningen in state in sind i				Freq Offse 0 H
tart 2.660000 GHz Res BW 1.0 MHz		3.0 MHz*		Stop 2.675000 GHz 1.000 s (1001 pts)	

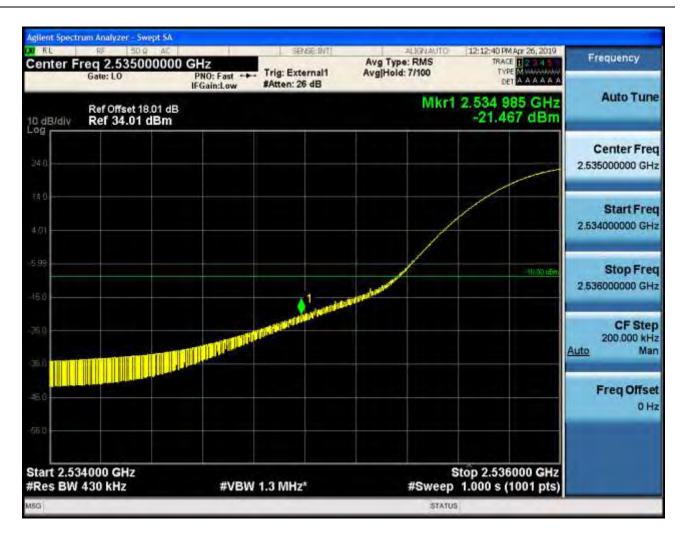
5.1.1.1.2 Test Bandwidth = 20+20

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

RL RL	RF 30.0 AC		SENSE: INT	ALIGNAUTO	12:11:32 PM Apr 26; 2019	-
Center F	Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MUMUMUM DET A A A A A A	Frequency
IO dB/div	Ref Offset 18.01 dB Ref 34.01 dBm			Mkr	1 2.528 41 GHz -40.707 dBm	Auto Tuni
24.0						Center Free 2.515000000 GH
4,01						Start Free 2.50000000 GH
5.99					-Li 00 atia	Stop Free 2.530000000 GH
750 350						CF Ste 3,000000 MH <u>Auto</u> Ma
£0	al an an the second					Freq Offse 0 H
55 0 Start 2.50					Stop 2.53000 GHz	
#Res BW	1.0 MHz	#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	

RL	RF 30.0		SERVER INT			11:45 PM Apr 26; 2019	Frequency
Center F	req 2.531750 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: F Avg Hold: 1/		TRACE	Frequency
0 dB/div	Ref Offset 18.01 Ref 34.01 dB	dB		N	Akr1 2.53	3 304 0 GHz 33,304 dBm	Auto Tune
34 0							Center Fred 2.531750000 GH
4,01							Start Free 2.530000000 GH
5.0						-10.00.054	Stop Free 2.533500000 GH
50						11	CF Stej 350.000 kH Auto Mar
6.) 							Freq Offse 0 H
	80000 GHz 1.0 MHz		3.0 MHz*		Stop	2.533500 GHz 00 s (1001 pts)	



Agilent Spectrum Analyzer - Swept SA RL RL 12:14:20 PM Apr 26, 2019 SENSE: INT GNAUTO -RS Frequency Center Freq 2.515000000 GHz Avg Type: RMS Avg|Hold: 1/100 TRACE Trig: External1 TYPE PNO: Fast ---Gate: LO AAAAA #Atten: 26 dB DET Auto Tune Mkr1 2.528 23 GHz -40.796 dBm Ref Offset 18.01 dB Ref 34.01 dBm 10 dB/div Center Freq 2.515000000 GHz Start Freq 2.50000000 GHz Stop Freq 1.5 00 at 2.530000000 GHz **CF** Step 3.000000 MHz Auto Man •1 **Freq Offset** 0 Hz Start 2.50000 GHz Stop 2.53000 GHz #Res BW 1.0 MHz #Sweep 1.000 s (1001 pts) #VBW 3.0 MHz* STATUS MSG

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

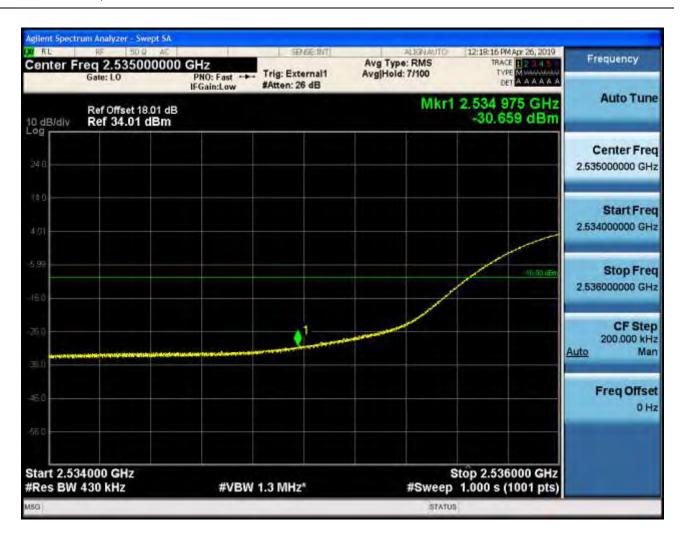




5.1.1.1.2.1.3 PCC Test RB = full RBs & SCC Test RB = 0

RL RL	RF 30.0 AC		SENSE: INT	ALIGNAUTO	12:17:08 PM Apr 26, 2019	- Historia and a
Center Fr	eq 2.515000000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MUMUMUM DET A A A A A A	Frequency
10 dB/div	Ref Offset 18.01 dB Ref 34.01 dBm			Mkr	1 2.528 26 GHz -32.724 dBm	Auto Tune
24.0						Center Free 2.515000000 GH
4,01						Start Fre 2.500000000 GH
15.0					-Li 93 uBri	Stop Fre 2,530000000 GH
760 360					↓ 1	CF Ste 3.000000 MH <u>Auto</u> Ma
60			and the second designed			Freq Offse 0 H
55 0 Start 2.50	000 GHz				Stop 2.53000 GHz	
Res BW		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	

RL RL	RF 30 Q AC		SENSE: INT	ALIGNAUTO	12:17:21 PM Apr 26, 2019	- Harrison Birgs
Center F	req 2.531750000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 4 4 TYPE M VANAAAAA DET A A A A A A	Frequency
0 dB/div	Ref Offset 18.01 dB Ref 34.01 dBm			Mkr1 2	.533 269 0 GHz -30.191 dBm	Auto Tune
24 fi						Center Fred 2.531750000 GH:
4,01						Start Free 2.530000000 GH2
15.0					-10.00 užm	Stop Free 2.533500000 GH
75.0		da men kan separata kan sebagai dan se	Decencence sources	nan dana menerakan di ministrakakan di kera	1	CF Step 350.000 kH: Auto Mar
60						Freq Offse 0 Hi
55 0	0000 ĜHz				Stop 2.533500 GHz	
#Res BW		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	



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

enter Freq 2.515000000 Gate: L0	GHz PNO: Fast	Trig: External1	Avg Type: RMS Avg Hold: 1/100	12:08:44 PM Apr 26; 2019 TRACE 1 2:04 5 TVPE M MANAGEM	Frequency
Ref Offset 18.01 dB 0 dB/dlv Ref 34.01 dBm	IFGain:Low	#Atten: 26 dB	Mkr	1 2.527 72 GHz -32.602 dBm	Auto Tuni
94 ()					Center Fre 2.515000000 GH
4,01					Start Fre 2.500000000 GH
5.99				-15 00 util	Stop Fre 2.530000000 GH
16 D				• ¹	CF Ste 3.000000 MH Auto Ma
60					Freq Offse 0 H
tart 2.50000 GHz Res BW 1.0 MHz	#\/D\\/	3.0 MHz*	#Sulaan	Stop 2.53000 GHz 1.000 s (1001 pts)	

Frequency	12:08:57 PM Apr 26, 2019	ALIGNAUTO	SENSE: INT	1	RF 30.0 AC	RL .
	TRACE	Type: RMS Hold: 1/100	Trig: External1 #Atten: 26 dB	PNO: Fast	req 2.531750000 Gate: L0	Center F
Auto Tun	533 090 5 GHz -31.865 dBm	Mkr1 2.			Ref Offset 18.01 dB Ref 34.01 dBm	10 dB/div
Center Free 2.531750000 GH						24:0
Start Free 2.530000000 GH						14,0. 4,01
Stop Free 2.533500000 GH	-10.60 i.ēn					15.0
CF Step 350.000 kH Auto Mar			*	-	11 51 5 1 4 10 - 11 5 10 10 10 VI 10 20 10 JU	35.0
Freq Offse 0 H						£0
						550
	top 2.533500 GHz 1.000 s (1001 pts)	S #Sweep	3.0 MHz*	#VBW 3	0000 GHz 1.0 MHz	Start 2.53 #Res BW
		STATUS				ISG



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



	SENSE: INT	ALIGNAUTO	12:23:48 PM Apr 26, 2019	
PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE M MANAGEM	Frequency
		Mkr1 2	-34.623 dBm	Auto Tune
				Center Freq 2.658250000 GHz
				Start Fred 2.656500000 GH2
			-11.00 i.En.	Stop Freq 2,66000000 GHz
				CF Step 350.000 kH: Auto Mar
			ni mananan'ny kaodim-paositra dia kaodim-paositra dia kaodim-paositra dia kaodim-paositra dia kaodim-paositra d	Freq Offset 0 Hz
	PNO: Fast IFGain:Low	PNO: Fast ++- Trig: External1 IFGain:Low #Atten: 26 dB	PNO: Fast Trig: External1 #AvgjHoid: 1/100 #Atten: 26 dB Mkr1 2	PN0: Fast Trig: External1 AvglHold: 1/100 TVPE (MAXAAA A 2 dB Mkr1 2.656 517 5 GHz -34.623 dBm 3m -34.623 dBm -34.623 dBm 9m -9m -9m 9m -9m <td< td=""></td<>

RL .	RF 30 Q AC		SPASE:INT	ALIGVA	the second se	Planninka
Center F	req 2.670000000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 2 4 5 TYPE M MANAGE DET & A & A & A	
IO dB/div	Ref Offset 18.02 dB Ref 34.02 dBm				4kr1 2.672 82 GHz -39.996 dBm	Auto Tune
34 E						Center Fred 2.670000000 GH2
4,02						Start Fred 2.660000000 GH:
15.0					- 14 00 after	Stop Free 2,68000000 GH
50				<u>_1</u>		CF Step 2,000000 MH <u>Auto</u> Mar
50	NTIE IN THE THEORY OF THE AND THE PARTY OF THE ADDRESS OF THE ADDRESS OF THE ADDRESS OF THE ADDRESS OF THE ADDR		renerge kapaten das an an an an an an			Freq Offse 0 H
55.0						
Start 2.66 #Res BW		#VBW 3	.0 MHz*	#Sw	Stop 2.68000 GHz eep 1.000 s (1001 pts	
5G					TATUS	



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

RL RF 300 /	AC 1	SENSE: INT	ALIGNAUTO	12:26:36 PM Apr 26; 2019	- Harrison and Alar
Center Freq 2.6582500 Gate: LO	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE M MANAGEM DET A A A A A A	Frequency
Ref Offset 18.02 0 dB/dly Ref 34.02 dB	dB m		Mkr1 2	.656 514 0 GHz -21.509 dBm	Auto Tune
24 0					Center Fred 2.658250000 GH:
4,02					Start Fred 2.656500000 GH
5.98 15.0 1				-10.00.0Em	Stop Free 2,660000000 GH:
30	**********************************	*****			CF Step 350.000 kH <u>Auto</u> Mar
60					Freq Offse 0 Hz
Start 2.656500 GHz Res BW 1.0 MHz	#VBW	3.0 MHz*	#Sweep	top 2.660000 GHz 1.000 s (1001 pts)	

RL RF 30.0 AC		SENSEINT	ALIGNAUTO	12:26:49 PM Apr 26, 2019	Francisco
Center Freq 2.670000000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100		Frequency
Ref Offset 18.02 dB dB/div Ref 34.02 dBm			Mkr	1 2.660 00 GHz -35.756 dBm	Auto Tun
24.0					Center Free 2.670000000 GH
4,02					Start Free 2.660000000 GH
5.98				-1590 atten	Stop Free 2.680000000 GH
形り 1 形り					CF Step 2,000000 MH <u>Auto</u> Mar
6.0				e il - en - la construire (construire de la construire de la construire de la construire de la construire de la	Freq Offse 0 Ha
76 D					
tart 2.66000 GHz Res BW 1.0 MHz	#VBW	3.0 MHz*	#Sweep	Stop 2.68000 GHz 1.000 s (1001 pts)	

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



RL	RF 30 Q AC	71	SENSE: INT	ALIGNAUTO	12:29:25 PM Apr 26; 2019	-
Center F	req 2.658250000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TYPE M MARAAAAA DEY A A A A A A	Frequency
IO dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mkr1 :	2.656 538 5 GHz -30.928 dBm	Auto Tune
34 0.						Center Free 2,658250000 GH
4,02						Start Free 2.656500000 GH
15.0					-11.00.i#n.	Stop Free 2,660000000 GH
50 1- 50	HI HI WARD IN ALL WARD	el a 1971 1971 1971 - a casa a sa a sa a sa a sa a sa a sa	nananja ujali njego se je s	97 04 10 40 40 40 40 40 40 40 40 40 40 40 40 40	un viente het interfact de Alimande angegrangenes	CF Stej 350.000 kH <u>Auto</u> Ma
50						Freq Offse 0 H
55 0						
Start 2.65 #Res BW	6500 GHz 1.0 MHz	#VBW	3.0 MHz*	#Sweep	Stop 2.660000 GHz 1.000 s (1001 pts)	6
5G				STAT		

RL I	RF 30.0 AC		SENSE: INT	ALIGUAUTO	12:29:37 PM Apr 26, 2019	-
Center F	req 2.670000000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MULLIAN DET A A A A A A	
0 dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mk	r1 2.660 06 GHz -33.259 dBm	Auto Tune
24.0						Center Free 2.670000000 GH
1,4,0 4,02						Start Fre 2.660000000 GH
5.98					-Li 00 dia	Stop Fre 2,68000000 GH
1	1919-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					CF Ste 2.000000 MH <u>Auto</u> Ma
45Q						Freq Offse 0 H
55 0 Start 2.66	6000 GHz				Stop 2.68000 GHz	
Res BW		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	

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

RL	RF 3DQ A		SENSE:INT	AUGNAUTO Avg Type: RMS	12:20:47 PM Apr 26; 2019 TRACE R 2 14	Frequency
center F	req 2.6550000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Hold: 7/100	TYPE MULLINAN DET A A A A A A	
0 dB/div	Ref Offset 18.02 Ref 34.02 dBr			Mkr	2.655 050 GHz -36.236 dBm	Auto Tune
340						Center Fred 2.655000000 GH:
18,0 4,02						Start Free 2.654000000 GH
5.98					-10.00 uEm.	Stop Free 2.656000000 GH
50		North States and the states of the	1			CF Step 200.000 kH: Auto Mar
\$0				The second on king of the second s		Freq Offse 0 Ha
	54000 GHz 430 kHz	#\/D\W	1.3 MHz*	#Curran	Stop 2.656000 GHz	

RL I	RF 30 Q AC		SENSE: INT	ALIGHAUT		-
Center F	req 2.658250000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE M MANAGEMENT DET A A A A A A	Frequency
IO dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mkr1	2.656 986 5 GHz -34.498 dBm	Auto Tune
34.0						Center Freq 2.658250000 GHz
14,0 4,02						Start Fred 2.656500000 GHz
15.0					-10.00 užn	Stop Free 2,660000000 GH2
75 0 35 JJ	∮ ¹		etersenaus ordet til etter et			CF Step 350.000 kHz <u>Auto</u> Mar
45.0						Freq Offset 0 Hz
Start 2.65	66500 ĜHz				Stop 2.660000 GHz	
#Res BW		#VBW	3.0 MHz*	#Swee	p 1.000 s (1001 pts)	
ISG				STA		

RL RF 30.9 AC		SENSE: INT	ALIGVAUTO	12:21:13 PM Apr 26; 2019	
Center Freq 2.67000000 Gate: L0	O GHZ PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MULLIANU DET A A A A A A	
Ref Offset 18.02 db	3		Mkr	1 2.660 38 GHz -35.259 dBm	Auto Tune
24 0					Center Fred 2.67000000 GH2
4.02					Start Fred 2.660000000 GH:
5.98				- Li D0 atian	Stop Free 2,68000000 GH;
260 36.0					CF Step 2,000000 MH Auto Mar
60					Freq Offse 0 Ha
555 Start 2.66000 GHz #Res BW 1.0 MHz	#\/D\M	3.0 MHz*	#Sweep	Stop 2.68000 GHz 1.000 s (1001 pts)	

5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 15+15

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

- Harmon Street	12:37:06 PM Apr 26, 2019	ALIGUAUTO	SENSE:INT	6	RF 30 Q AC	RL
Frequency	TRACE	Avg Type: RMS Avg Hold: 1/100	Trig: External1 #Atten: 26 dB	PNO: Fast	req 2.52250000 Gate: L0	Center F
Auto Tun	2.521 600 GHz -40.119 dBm	Mkr1			Ref Offset 18.01 dB Ref 34.01 dBm	IO dB/div
Center Fre 2.522500000 GH						24.0.
Start Fre 2.515000000 GH						4,01
Stop Fre 2,530000000 GH	- Lā 100 arīsvi					5,99
CF Ster 1.500000 MH <u>Auto</u> Ma			1			760
Freq Offse 0 H	n status and the literation of the second	an maar maa maa maa maa maa maa maa maa ma				45.0
						56.0
	top 2.530000 GHz 1.000 s (1001 pts)	S #Sweep	3.0 MHz*	#VBW 3	15000 GHz 1.0 MHz	

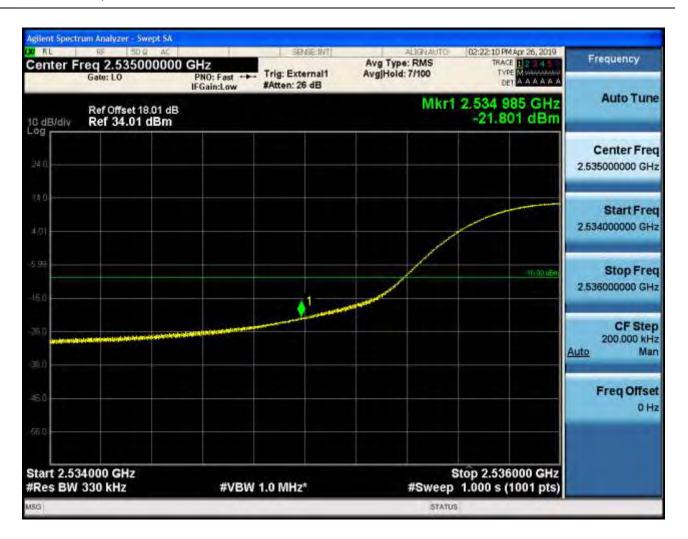
02:18:16 PM Apr 26; 2019		ALIGNAUT	SENSEINT		RF BDQ AC	RL I
TRACE IN 2014	TRA T)	Avg Type: RMS Avg Hold: 1/100	Trig: External1 #Atten: 26 dB	PNO: Fast	req 2.531750000 Gate: L0	Center F
533 286 5 GHz Auto Tu -35.949 dBm		Mkr1			Ref Offset 18.01 dB Ref 34.01 dBm	0 dB/div
Center Fr 2.531750000 G						24 0.
Start Fr 2.530000000 G						4/01
30.00050 Stop Fr 2,533600000 G						15.0
CF Sto 350.000 k Auto M						50 50
Freq Offs 0						5.0
op 2.533500 GHz 1.000 s (1001 pts)	Stop 2.53	#Swo	3.0 MHz*	#\/B\//	0000 ĜHz	tart 2.53 Res BW



Agilent Spectrum Analyzer - Swept SA 02:21:02 PM Apr 26, 2019 T.L GNAUTO SENSE: INT Frequency Center Freq 2.522500000 GHz Avg Type: RMS Avg|Hold: 1/100 TRACE Trig: External1 TYPE PNO: Fast ---Gate: LO AAAAA #Atten: 26 dB DET Auto Tune Mkr1 2.528 725 GHz -39.161 dBm Ref Offset 18.01 dB Ref 34.01 dBm 10 dB/div Center Freq 2.522500000 GHz Start Freq 2.515000000 GHz Stop Freq - 1.5 00 at 2.530000000 GHz CF Step 1.500000 MHz Auto Man ø **Freq Offset** 0 Hz Start 2.515000 GHz Stop 2.530000 GHz #Res BW 1.0 MHz #Sweep 1.000 s (1001 pts) #VBW 3.0 MHz* STATUS MSG

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

RL.	RF 30 Q AC		SENSE INT			15 PM Apr 26, 2019	Frequency
Center F	req 2.53175000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RM Avg Hold: 1/10		TRACE 1 2 3 4 5 TYPE M MAAAAAAA DET A A A A A A	
IO dB/div	Ref Offset 18.01 dE Ref 34.01 dBm	1		MI	(r1 2.533 : -27	314 5 GHz 7.670 dBm	Auto Tune
340							Center Freq 2.531750000 GHz
4/01							Start Free 2.530000000 GHz
5.99 (5.0						-10.00 uEm,	Stop Free 2.533500000 GHz
760 350	NIN TUNIN MANUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNUNU				augustatus (1918-19-	MACRINA IN A SAMAGE	CF Step 350.000 kH: Auto Mar
11.	NIILULAININ ILLANNA AVAINA						Freq Offse 0 Hz
55 0	30000 GHz				Stop 2	522500 CH-	
Res BW		#VBW	3.0 MHz*	#S	weep 1.000	533500 GHz s (1001 pts)	
ISG					STATUS		



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

glient Spectrum Analyzer - Swept		ALIGNAUTO	02:23:50 PM Apr 26, 2019	-
Center Freq 2.522500 Gate: L0		Avg Type: RMS Avg Hold: 1/100	TRACE	Frequency
Ref Offset 18.0 IO dB/div Ref 34.01 dB		Mkr	2.528 650 GHz -33.121 dBm	Auto Tuni
24.0				Center Free 2.522500000 GH
4,01				Start Free 2.515000000 GH
5.99			-13.00 atbit	Stop Free 2.530000000 GH
760 360			1	CF Ste 1.500000 MH Auto Ma
6.0				Freq Offse 0 H
Start 2.515000 GHz			Stop 2.530000 GHz	
Res BW 1.0 MHz	#VBW 3.0 MHz*	#Sweep	1.000 s (1001 pts)	

O GHZ	Avg Type: RMS	TRACE TRACE	Frequency
PNO: Fast Trig: External IFGain:Low #Atten: 26 dB	Avg Hold: 1/100	TYPE M WALKANG	Frequency
3	Mkr1 2	2.533 129 0 GHz -30.356 dBm	Auto Tune
			Center Free 2.531750000 GH
			Start Free 2.530000000 GH
		-10.50 a ž n.	Stop Free 2.533500000 GH
whare opened your hydraws (rd by ay a ro filliona view		1-	CF Step 350.000 kH <u>Auto</u> Mar
			Freq Offse 0 H
#VBW 3.0 MHz*	#Sweep	Stop 2.533500 GHz 1.000 s (1001 pts)	
		#VBW 3.0 MHz*	-30.356 dBm



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

Frequency	12:34:18 PM Apr 26, 2019	ALIGNAUTO	SENSE: INT	1	RF 30 Q AC	RL I
	TRACE	Avg Type: RMS Avg Hold: 1/100	Trig: External1 #Atten: 26 dB	PNO: Fast	req 2.522500000 Gate: L0	Center F
Auto Tune	2.520 955 GHz -33.277 dBm	Mkr1			Ref Offset 18.01 dB Ref 34.01 dBm	0 dB/div
Center Fred 2.522500000 GH:						340.
Start Free 2.515000000 GH:						4,01
Stop Free 2.530000000 GH;	- 1.1.00 atlen.					5.99
CF Step 1.500000 MHz Auto Mar				1		760 360
Freq Offse 0 Hz						450
	top 2.530000 GHz				5000 ĜHz	55 0
	1.000 s (1001 pts)	#Sweep	3.0 MHz*	#VBW 3		Res BW
	T. C.	STATUS				ISG

RL	rum Analyzer - Swept-SA RF 30 Q AC		SPAGE:INT	ALIGNAUTO	12:34:31 PM Apr 26; 2019	
Center F	req 2.531750000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MUMULUMU DET A A A A A A	Frequency
IO dB/div	Ref Offset 18.01 dB Ref 34.01 dBm			Mkr1 2	.531 578 5 GHz -33.384 dBm	Auto Tune
24.0						Center Freq 2.531750000 GHz
4.01						Start Free 2.530000000 GHz
15.0					-16.00 iđn	Stop Free 2.533500000 GH
志() 玉()		4404-1448-1404-1444	↓ ¹			CF Step 350.000 kH: Auto Mar
-6.0						Freq Offset 0 Hz
560						
Start 2.53 #Res BW	0000 GHz 1.0 MHz	#VBW	3.0 MHz*	#Sweep	Stop 2.533500 GHz 1.000 s (1001 pts)	
5G				STATU		



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



	D.Q. AC	SENSE INT	ALIGNAUTO	12:17:09 PM Apr 28, 2019	Education in the
Center Freq 2.658	250000 GHz PNO: Fast IFGain:Low	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE 2 2 4 5 TYPE MULTINAL DET A A A A A A	Frequency
Ref Offset ID dB/div Ref 34.0	18.02 dB		Mkr1 2	.656 507 0 GHz -32.802 dBm	Auto Tune
340.					Center Fred 2.658250000 GHz
4,02					Start Free 2.656500000 GH:
5.98° 				-10.00 aBm	Stop Freq 2,66000000 GHz
1 Millional Architecture	TIMOTIANADALAAAA				CF Step 350.000 kH Auto Mar
60				PULAR INTERNITARY CON	Freq Offse 0 Hi
55 0 Start 2.656500 GHz				top 2.660000 GHz	
Res BW 1.0 MHz		3.0 MHz*		1.000 s (1001 pts)	

RL RF 30.9 A		SENSE: INT	ALIGNAUTO	12:17:22 PM Apr 28, 2019	and the second subtract
enter Freq 2.6675000	00 GHz PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TYPE MUNICIPALITY DET A A A A A	Frequency
Ref Offset 18.02 dB/div Ref 34.02 dBn			Mkr	2.660 030 GHz -38.151 dBm	Auto Tun
ч <u>й</u>					Center Fre 2.667500000 GH
4 0 .02					Start Fre 2.660000000 GH
98				-14 00 afen	Stop Fre 2.675000000 GH
50 50 1					CF Ste 1.500000 MH Auto Ma
Mananananananananananananananananananan	NY WWWWWWWWW	NI		tine al _n at 197 a − an a de par de la destacada	Freq Offse 0 H
tart 2.660000 GHz Res BW 1.0 MHz	#\/B\//	3.0 MHz*	#Sween	Stop 2.675000 GHz	



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

RL RF 50 Q AC		SENSEINT	ALIGNAUT	and the second s	Frequency
Center Freq 2.658250000	PNO: Fast	ig: Free Run Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TYPE MUNICIPAL A A A A	
Ref Offset 18.02 dB 0 dB/div Ref 34.02 dBm			Mkr1	2.656 507 0 GHz -25.459 dBm	Auto Tune
24.0					Center Fred 2.658250000 GH
4,02					Start Free 2.656500000 GH
15.0				-10.00 iđơn	Stop Free 2,66000000 GH
1 50		*****		N of the second s	CF Ster 350.000 kH <u>Auto</u> Ma
60					Freq Offse 0 H
Start 2.656500 GHz Res BW 1.0 MHz	#VBW 3.0			Stop 2.660000 GHz p 1.000 s (1001 pts)	

RL	RF 30 Q AC		SPASEINT	ALIGNAUTO	12:20:09 PM Apr 28, 2019	Phone in the second
enter Free	q 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE E 2 3 4 5 TYPE MUMULAN DET A A A A A A	Frequency
C dB/div R	tef Offset 18.02 dB Ref 34.02 dBm			Mkr1	2.660 015 GHz -38.105 dBm	Auto Tuni
24.0						Center Free 2.667500000 GH
18,0						Start Free 2.660000000 GH
5.98 15.0					-1100 atom	Stop Free 2.675000000 GH
60 60						CF Ste 1.500000 MH <u>Auto</u> Ma
94444444444444444444444444444444444444	unterstation of the second	ni di Anna ana ana ana ana ana ana ana ana an		**************************************		Freq Offse 0 H
tart 2.6600	00 GHz				Stop 2.675000 GHz	
Res BW 1.0		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	

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

TRACE 2 3 4 3 TRACE 2 3 4 3 Frequency Det A A A A A Kr1 2.655 005 GHz -30.891 dBm Center Frequency Start Frequency Start Frequency
-30.891 dBm Center Fred 2.65500000 GH Start Fred 2.654000000 GH
2,655000000 GH Start Free 2,654000000 GH
2,654000000 GH
2.65600000 GH
CF Ste 200.000 kH <u>Auto</u> Ma
Freq Offse 0 H
Stop 2.656000 GHz eep 1.000 s (1001 pts)

RL .	RF 30.0 AC		SPLEEJINT	.AL1(3)		PM Apr 28, 2019	Frequency
Center Fre	q 2.65825000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RM Avg Hold: 7/100	S TR	ACE 1 2 3 4 5 YPE MUMUUUUU DET A A A A A A	Frequency
	Ref Offset 18.02 dE Ref 34.02 dBm			Mk	r1 2.656 5 -30.	17 5 GHz 938 dBm	Auto Tune
24.0.							Center Fred 2.658250000 GH:
4,02							Start Free 2.656500000 GH
5.96 						-11.00 (180)	Stop Free 2,66000000 GH
50 1- 50 1- 50 50		מחמי המסוור הנוסים את	החדונים המתחדונים	d and a horizon of the	Theorem and a community of the community of		CF Step 350.000 kH <u>Auto</u> Mai
60							Freq Offse 0 H
55 0 Start 2.656	500 GHz				Stop 2.6	60000 GHz	
Res BW 1.		#VBW	3.0 MHz*	#Sv	veep 1.000 s		

Res BW		#VBW	3.0 MHz*		1.000 s (1001 pts)	
Start 2 66	0000 GHz	*			Stop 2.675000 GHz	
50.0						
						0 Ha
45.0						Freq Offse
35.0	and the second	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	California de la calegrada de la c			-
75.0						CF Step 1.500000 MH: Auto Mar
15.0						
5.98					- Li D) affen	Stop Free 2.67500000 GH
4,02						2.66000000 GH:
TA,0						Start Fred
340						2,667500000 GH
-og						Center Fred
I0 dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mkr	2.660 000 GHz -34.042 dBm	Auto Tune
center F	req 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE 2 2 4 6 TYPE M MANAGEM DET A A A A A A	
RL	RF BDQ AC	011	SENSE:INT	ALIGNAUTO	12:22:55 PM Apr 28, 2019	Frequency



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

RL I	RF 30.0 AC		SENSE: INT	ALIGNAUTO	12:14:23 PM Apr 28, 2019	Printer and a second
Center F	req 2.658250000 (PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TRACE 2 2 4 5 TYPE MUMUMUM DET A A A A A A	Frequency
0 dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mkr1 2	-35.657 dBm	Auto Tune
24:0						Center Fred 2.658250000 GH:
4,02						Start Free 2.656500000 GH:
5.98					-10.00 cēn.	Stop Free 2,660000000 GH
75.0 55.0	↓ ¹					CF Step 350.000 kH <u>Auto</u> Mar
6 0						Freq Offse 0 Ha
55 0	56500 GHz				Stop 2.660000 GHz	
	1.0 MHz	#VBW	3.0 MHz*		1.000 s (1001 pts)	
5G		_		STATU		

RL RF 30.9 AC	1	SENSE: INT	ALIGVAUTO	12:14:35 PM Apr 28, 2019	-
Center Freq 2.667500000	PNO: Fast	Trig: Free Run #Atten: 26 dB	Avg Type: RMS Avg Hold: 7/100	TYPE MULLINAU DET A A A A A A	Frequency
Ref Offset 18.02 dB			Mkr1	2.660 945 GHz -36.472 dBm	Auto Tune
24 ()					Center Freq 2.667500000 GHz
4.02					Start Fred 2,66000000 GH2
5 98				- Li 10 atea	Stop Free 2.675000000 GH2
26.0 1					CF Step 1.500000 MH: Auto Mar
45.0					Freq Offset 0 Hz
Start 2.660000 GHz #Res BW 1.0 MHz	#VBW	3.0 MHz*		Stop 2.675000 GHz 1.000 s (1001 pts)	

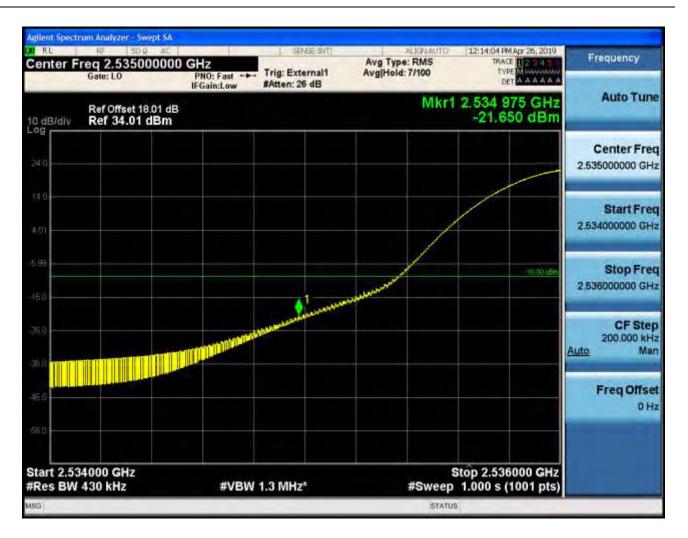
5.1.1.2.2 Test Bandwidth = 20+20

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

RL I	RF 50.0 AC	a second de la companya de la compa	SENSE: INT	ALIGNAUTO	12:12:56 PM Apr 26; 2019	-
Center Fi	Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MUNICIPAL	Frequency
10 dB/div	Ref Offset 18.01 dB Ref 34.01 dBm			Mki	1 2.528 47 GHz -40.828 dBm	Auto Tune
340						Center Free 2.515000000 GH
4,01						Start Free 2.500000000 GH
6,99					-1500.0 5 0	Stop Free 2,530000000 GH
750 350						CF Ste 3,000000 MH <u>Auto</u> Ma
£0						Freq Offse 0 H
55 0 Start 2.50	000 GHz				Stop 2.53000 GHz	
Res BW		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	
ISG				STATU	9	

nL.	RF 30.9 AC		SENSEINT	ALIGNAU			Frequency
Center F	req 2.53175000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE TYPE DET	2245 (MUMMM) AAAAA	Frequency
0 dB/div	Ref Offset 18.01 d Ref 34.01 dBm	В		Mkr	1 2.533 321 4 -33.452	5 GHz dBm	Auto Tune
34 0							Center Free 2.531750000 GH:
4,01							Start Free 2.530000000 GH
15.0						11.00.60	Stop Fre 2.533500000 GH
50 5.0						↓ 1 A	CF Stej 350.000 kH uto Ma
5.0							Freq Offse 0 H
	30000 ĜHz 1.0 MHz		3.0 MHz*		Stop 2.5335	00 GHz	



Agilent Spectrum Analyzer - Swept SA T.L 12:15:44 PM Apr 26, 2019 SENSE: INT GREAUTO 435 Frequency Center Freq 2.515000000 GHz Avg Type: RMS Avg|Hold: 1/100 TRACE Trig: External1 TYPE PNO: Fast ---Gate: LO AAAAA #Atten: 26 dB DET Auto Tune Mkr1 2.528 47 GHz -41.086 dBm Ref Offset 18.01 dB Ref 34.01 dBm 10 dB/div Center Freq 2.515000000 GHz Start Freq 2.50000000 GHz Stop Freq 1.5 00 at 2.530000000 GHz **CF** Step 3.000000 MHz Auto Man 1 **Freq Offset** 0 Hz Start 2.50000 GHz Stop 2.53000 GHz #Res BW 1.0 MHz #Sweep 1.000 s (1001 pts) #VBW 3.0 MHz* STATUS MSG

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

RL RL	RF 50.0 AC		SENSE: INT	ALD	REAUTO	12:18-32 PM	Apr 26; 2019	
Center Fi	Gate: L0	PNO: Fast	rig: External1 Atten: 26 dB	Avg Type: R Avg Hold: 1/	MS 100	TYP		Frequency
IC dB/div	Ref Offset 18.01 dB Ref 34.01 dBm				Mkr	1 2.528	02 GHz 11 dBm	Auto Tun
24 0.								Center Free 2.515000000 GH
4,01								Start Fre 2.50000000 GH
5.99 (5.0							- 14 00 atri	Stop Fre 2.530000000 GH
760							1	CF Ste 3.000000 MH Auto Ma
46.0 	Sam har dawn diwr y a syfar							Freq Offse 0 H
55 0 Start 2.50						Stop 2.53	000 GHz	
Res BW	1.0 MHz	#VBW 3.0	0 MHz*	#	Sweep	1.000 s (1001 pts)	

RL RF 3D Q AC		SENSE: INT	ALIGNAUTO	12:19:45 PM Apr 26; 2019	and the second states
enter Freq 2.53175000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MUNUMUM DET A A A A A	Frequency
Ref Offset 18.01 dl	В		Mkr1 2	.533 258 5 GHz -31.972 dBm	Auto Tune
24.0					Center Freq 2.531750000 GHz
4.01					Start Fred 2.530000000 GH:
50				-40.00 užm	Stop Fred 2.533500000 GH2
50 50 50	ىرىنى بىلى بىرى بىرى بىرى بىرى بىرى بىرى بىر	5-15-16 MIN 11-17-16 MININ			CF Step 350.000 kH: Auto Mar
60					Freq Offse 0 Hi
tart 2.530000 GHz Res BW 1.0 MHz	#VBW 3			top 2.533500 GHz 1.000 s (1001 pts)	



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

	0000 GHz 1.0 MHz	#VBW	3.0 MHz*	#Sweep	Stop 2.53000 GHz 1.000 s (1001 pts)	
	-					
55.0						OH
45.0						Freq Offse
35.0					∮ ¹	3.000000 MH Auto Ma
76.0						CF Ste
5.0					-11 00 ili-	2.530000000 GH
5,93						Stop Fre
4,01						Start Fre 2.50000000 GH
1A;0						-
24:0						Center Fre 2.515000000 GH
o dB/div	Ref Offset 18.01 d Ref 34.01 dBm				-34.605 dBm	
	Gate: LO	PNO: Fast	#Atten: 26 dB		1 2.526 73 GHz	Auto Tun
Center F	req 2.51500000	00 GHz	SB-GE-INT	Avg Type: RMS Avg Hold: 1/100	12:10:08 PMApr 26, 2019 TRACE 2 2 4 5	Frequency

RL RF 30 Q AC	1	SENSE: INT	ALLA.	GUAUTO 12:10:21	PM Apr 26; 2019	
Center Freq 2.53175000 Gate: L0	0 GHz PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: R Avg Hold: 1/	IMS TR/ 100 T	ACE 1 2 2 4 5 YPE M MANANA DET A A A A A A	Frequency
Ref Offset 18.01 dB	3		N	1kr1 2.532 36 -34.1	2 5 GHz 126 dBm	Auto Tune
24.0						Center Free 2.531750000 GH
4.01						Start Free 2.530000000 GH
5.99					-10.00 cEn	Stop Free 2.533500000 GH
760 760		n alteration of the state	¢ ¹	n mahalan sakana ay si d		CF Ster 350.000 kH Auto Ma
60						Freq Offse 0 H
56.0						
Start 2.530000 GHz #Res BW 1.0 MHz	#VBW :	3.0 MHz*	#	Stop 2.53 Sweep 1.000 s	3500 GHz (1001 pts)	



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



	Trig: External1 #Atten: 26 dB	Avg Hold: 1/100	2.657 508 0 GHz -36.154 dBm	Frequency Auto Tune Center Freq 2.658250000 GHz Start Freq
10 dB/div Ref 34.02 dBm		Mkr1 :	2.657 508 0 GHz -36.154 dBm	Center Freq 2.658250000 GHz Start Freq
24 0				2.658250000 GH
				2.656500000 GH
5.98			-10.00 i.Em.	Stop Free 2,66000000 GH
⊼n ≊∥1				CF Step 350.000 kH Auto Mar
		Hail () Hill () (Constant) ((Constant)	n a chuir an sinn an a	Freq Offse 0 Ha
55.0				
Start 2.656500 GHz #Res BW 1.0 MHz #VBW 3	3.0 MHz*	#Sweer	Stop 2.660000 GHz 1.000 s (1001 pts)	

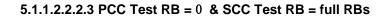
RL .	RF 30 Q AC	1	SENSE: INT		ALIGNAUTO	12:25:25 PM Apr 26, 2019	Francisco
Center F	req 2.670000000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type Avg Hold		TRACE 1 2 3 4 5 TYPE M MANAGAM DET A A A A A A	
10 dB/div	Ref Offset 18.02 dB Ref 34.02 dBm				Mkr	1 2.672 72 GHz -40.219 dBm	Auto Tune
24.0							Center Freq 2.67000000 GHz
4,02							Start Free 2.66000000 GHz
5.98						-1100 aBri	Stop Freq 2,68000000 GHz
750 36.0				11			CF Step 2,000000 MH: Auto Mar
45.0	Um 15 years an		i ta data a sa sa sa sa sa sa				Freq Offset 0 Hz
560							
Start 2.66 #Res BW		#VBW :	3.0 MHz*		#Sweep	Stop 2.68000 GHz 1.000 s (1001 pts)	
ASG	1.0 MHZ	#VOVV	5.0 Minz		STATUS		



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

RL	RF BDQ AC	the second s	SPAGE:INT	ALIGNAUTO	12:29:01 PM Apr 26, 2019	Frequency
Center F	req 2.658250000 Gate: L0	PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MULLIUM DET A A A A A A	
0 dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mkr1 2	.656 510 5 GHz -24.423 dBm	Auto Tune
34 0.						Center Fred 2.658250000 GH:
4,02						Start Free 2.656500000 GH;
5.98					-16.00.iEn	Stop Fred 2,660000000 GH2
30	they be used the second strategy concerned with the sec	National and the International State	910-101-101-101-101-101-101-101-101-101-			CF Step 350.000 kH: <u>Auto</u> Mar
6 0						Freq Offset 0 Hz
Start 2.65 Res BW	6500 ĜHz	#VBW	3.0 MHz*	#Sween	top 2.660000 GHz 1.000 s (1001 pts)	

RL RF 30	AC AC	SENSE:INT	ALIGNAUTO	12:28:13 PM Apr 26, 2019	History
Center Freq 2.670 Gate: LO	PNO: Fast	rig: External1 Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MUMUMUM DET A A A A A A	
Ref Offset IO dB/div Ref 34.02	18.02 dB 2 dBm		Mki	1 2.660 02 GHz -37.505 dBm	Auto Tune
24.0					Center Freq 2.67000000 GHz
4,02					Start Fred 2.66000000 GH2
5.98 -15.0				- 13 00 aten	Stop Freq 2.680000000 GHz
260 360					CF Step 2,000000 MH: Auto Mar
60	*				Freq Offset 0 Hz
550 Start 2.66000 GHz #Res BW 1.0 MHz	#VBW 3.	0 MHz*	#Sweep	Stop 2.68000 GHz	





RL RF 30.0 AC	1	SENSE: INT	ALIGNAUTO	12:30:49 PM Apr 26, 2019	(Hereiter hereiter
Center Freq 2.658250000 Gate: L0	PNO: Fast	Trig: External1 Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MULLINAL DET A A A A A A	Frequency
Ref Offset 18.02 dB dB/div Ref 34.02 dBm			Mkr1 2	.656 538 5 GHz -31.932 dBm	Auto Tune
24.0					Center Fred 2.658250000 GH2
4,02					Start Fred 2,656500000 GH:
5.98				-11:00 u 50	Stop Fred 2.660000000 GH2
50 1		- 1	*******	a diddi ha dan di dan ya a	CF Step 350.000 kH Auto Mar
60					Freq Offse 0 Hi
tart 2.656500 ĜHz Res BW 1.0 MHz	#VBW 3	0.141/-*	#Sween	top 2.660000 GHz 1.000 s (1001 pts)	

RL RL	RF BD Q AC	11	SPIGE:INT	ALIGNAUTO	12:31:01 PMApr 26, 2019	-
Center F	req 2.67000000 Gate: L0	GHz PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MUNICIPAL DET A A A A A A	Frequency
IO dB/div	Ref Offset 18.02 dB Ref 34.02 dBm			Mki	1 2.660 06 GHz -33.944 dBm	Auto Tune
24.0						Center Fred 2.670000000 GH:
TA,0 4,02						Start Free 2.66000000 GH:
5.98					- Li 00 dBr	Stop Free 2.680000000 GH;
260 1						CF Step 2,000000 MH Auto Mar
45.0						Freq Offse 0 Hz
Start 2 6f	6000 GHz				Stop 2.68000 GHz	
#Res BW		#VBW	3.0 MHz*	#Sweep	1.000 s (1001 pts)	
ISG				STATU	si	

Agilent Spectrum Analyzer - Swept SA ALIGHAUTO 12:22:11 PM Apr 26, 2019 RL. RS SENSE: INT Frequency Avg Type: RMS Avg|Hold: 7/100 Center Freq 2.655000000 GHz TRACE Trig: External1 TYPE PNO: Fast ---Gate: LO DETAAAAAA #Atten: 26 dB Auto Tune Mkr1 2.655 045 GHz -37.422 dBm Ref Offset 18.02 dB Ref 34.02 dBm 10 dB/div Center Freq 2.655000000 GHz Start Freq 2.654000000 GHz -10.00.00 Stop Freq 2.656000000 GHz **CF** Step 200.000 kHz 1 Man Auto **Freq Offset** 0 Hz Start 2.654000 GHz Stop 2.656000 GHz #Res BW 430 kHz #Sweep 1.000 s (1001 pts) #VBW 1.3 MHz* STATUS MSG

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

GHz	SENSE:INT	ALIGNAUTO	12:22:24 PM Apr 26; 2019	
PNO: Fast	Trig: External1 #Atten: 26 dB	Avg Type: RMS Avg Hold: 1/100	TRACE 1 2 3 4 5 TYPE MULLIANN DET A A A A A A	Frequency
		Mkr1	2.656 510 5 GHz -35.046 dBm	Auto Tune
				Center Fred 2.658250000 GH:
				Start Free 2,656500000 GH;
			311.00 ažm.	Stop Free 2,660000000 GH
		a a fair an		CF Step 350.000 kH <u>Auto</u> Mar
				Freq Offse 0 Hz
#VBW 3	3.0 MHz*	#Swee	Stop 2.660000 GHz	
	#VBW 3	#VBW 3.0 MHz*		

Start 2.66 #Res BW	000 GHz		3.0 MHz*	#Sweep	Stop 2.68000 GHz 1.000 s (1001 pts)	
55.0						
45.0						OH
						Freq Offse
26.0 1						CF Ster 2.000000 MH Auto Mar
15.0						OF ON
5.98					-14 00 iti-	Stop Fre 2.680000000 GH
4,52						2,660000000 GH
TA,0						Start Free
24.0						Center Free 2.67000000 GH
IO dB/div	Ref Offset 18.02 dB Ref 34.02 dBm				-36.034 dBm	Carata Fra
		IFGain:Low	#Atten: 26 dB	Mk	1 2.660 00 GHz	Auto Tune
	req 2.670000000 Gate: L0	GHz PNO: Fast	Trig: External1	Avg Type: RMS Avg Hold: 1/100	TRACE 2 2 4 5 TYPE MULLIUM DET A A A A A A	Frequency
RL I	RF 3D Q AC		SENSE: INT	ALIGNAUTO	12:22:37 PM Apr 26, 2019	

6Appendix_F: Spurious Emission at Antenna Terminal

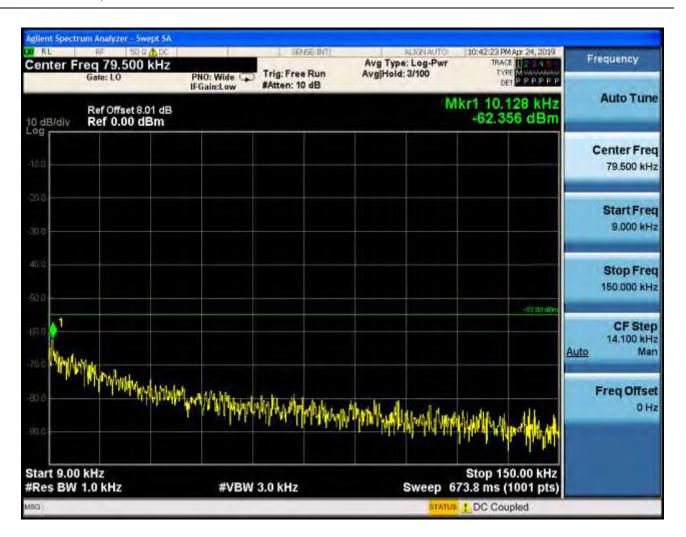
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span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

Part I - Test Plots

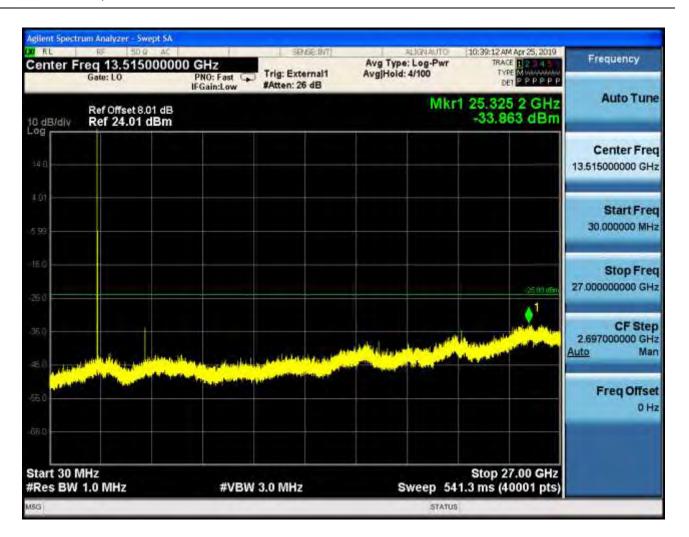
6.1 For LTE

- 6.1.1 Test Band = CA_41C (2535-2655MHZ)
- 6.1.1.1 Test Mode = LTE/TM1
- 6.1.1.1.1 Test Bandwidth = 15+15
- 6.1.1.1.1.1 Test Channel = LCH
- 6.1.1.1.1.1 PCC Test RB = 1 # 0 & SCC Test RB = 0

HUAWEI RF Report for ELE-L04m

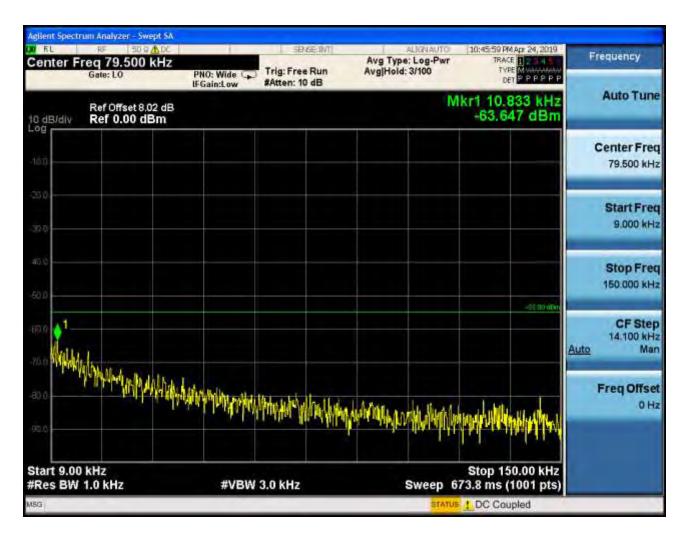


RL.	RF			1	SP	GE:INT		ALIGNAUTO	and the second se	Apr 24, 2019	Frequency
enter	Freq Gate	15.0750 15.0750	IOO MHz P IF	NO: Fast 🗣 Gain:Low	Trig: Exte #Atten: 10		Avg Type Avg Hold:	: Log-Pwr 7/100	TRAC TYP DE	12345 EMULAUUUU TPPPPPP	
dB/div	Ref Re	f 0.00 dE	1 dB 3m					M	kr1 161 -60.8	.94 kHz 09 dBm	Auto Tun
άij											Center Free 15.075000 MH
50											Start Fre 150.000 kH
50 00										-45 00 cebn	Stop Free 30.000000 MH
an.											CF Step 2.985000 MH <u>Auto</u> Ma
0.0 0.0	t			le hal thei Ine hal thei						i di	Freq Offse 0 H
tart 15 Res BV				#VBW	30 kHz			Sweep 2		0.00 MHz 5001 pts)	



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



RL RF 50 0 000		SENSE:		ALIGNAUTO		A Apr 24, 2019	Planting and
Center Freq 15.075000 Mi Gate: L0	PNO: Fast G	Trig: Externa #Atten: 10 dE	di Avg	Type: Log-Pw Hold: 7/100	r TRAC TVP DE	E 2 2 4 8 E Multiple P P P P P P P	
Ref Offset 8.02 dB				Mkr	1 19.546 -49.1	53 MHz 68 dBm	Auto Tune
ίδη							Center Fred 15.075000 MH:
100							Start Free 150.000 kH
10 C				1		-45 00 (Ein	Stop Free 30.000000 MH
ອດ ທີ							CF Step 2.985000 MH <u>Auto</u> Ma
			ter parte		ato da pri da bar Presta presta pr		Freq Offse 0 H
tart 150 kHz Res BW 10 kHz	#VBW :	30 kHz		Sweep	Stop 3 285.3 ms (0.00 MHz 5001 pts)	