Justification of the extended calibration of Dipole D1750V2 SN: 1021

Per KDB 865664, we have Measured the Impedance and Return Loss as below, and the return lossis <-20dB, with 20% of prior calibration; the real or imaginary parts of the impedance is with 5 ohm ofprior calibration. Therefore the verification result should support extended calibration.

Dipole 1750 Head TST	Target Value	Measured Value	Difference	
Impedance transformed tofeed point	48.6Ω-1.40jΩ	50.79Ω-3.31jΩ	R=2.19Ω, X=-1.91Ω	
Return Loss	-33.9dB	-27.81dB	17.96%	
Dipole 1750 Body TST	Target Value	Measured Value	Difference	
Impedance transformed tofeed point	46.0Ω+0.61jΩ	48.74Ω-1.87jΩ	R=2.74Ω, X=-1.48Ω	
Return Loss	-27.5dB	-25.39dB	7.67%	
Measured Date	2016-07-01	2018-06-25		
Impedance Test-Head		Return Loss Test-Head		
LACINE CHTYCOX 2 Response 3 Strukus 4 Mor (Analysis 5 Shaft State		1.Active Chilinace 1.Response 3.Stmulus 4.Mir/Analysis 5.Instr-State 2014 531 Log Man 10.00db/ sef 0.000db (F1)	Likhira Chilliner - Zilangaran - Silanuka - 4Mejikedaria - Silanuka	
		49.00 30.00 20.00 10.00 -10.00 -10.00 -10.00 -10.00 -10.00		
Impedance Test-Body		Return Loss Test- Body		

Justification of the extended calibration of Dipole D1900V2 SN: 5d179

Per KDB 865664, we have Measured the Impedance and Return Loss as below, and the return lossis

<-20dB, with 20% of prior calibration; the real or imaginary parts of the impedance is with 5 ohm ofprior calibration. Therefore the verification result should support extended calibration.

Dipole 1900 Head TST	Target Value	Measured Value	Difference	
Impedance transformed tofeed point	53.2Ω+5.44jΩ	51.72Ω+3.24jΩ	R=-1.48Ω,X=-2.20Ω	
Return Loss	-24.3dB	-20.00dB	17.70%	
Dipole 1900 Body TST	Target Value	Measured Value	Difference	
Impedance transformed tofeed point	48.9Ω+5.75jΩ	49.59Ω+6.94jΩ	R=0.69Ω,X=1.19Ω	
Return Loss	-24.6dB	-26.23dB	6.63%	
Measured Date	2016-06-15	2018-06-10		
Impedance To	Impedance Test-Head		Return Loss Test-Head	
		40.00 30.00 20.00 10.00 -10.00 -10.00 -40.00 -30.00		
Impedance Test-Body		Return Loss Test- Body		
>173 Sil Seith (RejK) Scale 1.0000 [F1] >1 1.9000000 GHz 49.586 0 6.9374 0 581:TI PH		1721 S11 Log Mag 10.00ds/ Ref 0.00ds [r1] 50.00 >1 1.9000000 GHz -26.226 ds 40.00 30.00 20.00 10.00 10.00 -20.00 -40.00 -30.0		